AMESBURY SCHOOL COMMITTEE MEETING
AMESBURY HIGH SCHOOL LIBRARY
MONDAY FEBRUARY 7, 2022 7PM

THE AMESBURY SCHOOL DISTRICT IS UNCONDITIONALLY COMMITTED TO EVERY CHILD, ENSURING THAT ALL STUDENTS EXPERIENCE SUCCESS THROUGH THE DEVELOPMENT OF ATTITUDES AND SKILLS NECESSARY FOR LIFELONG LEARNING BY PROVIDING THE HIGHEST QUALITY STAFF, MEANINGFUL LEARNING EXPERIENCES, AND A VITALLY INVOLVED COMMUNITY.

This meeting will be broadcast live on ACTV channel 18, online at amesburyctv.org, and streamed on the APS Facebook page at Facebook.com/Amesburyschools

I. Call to Order/Moment of Silence/Mission Statement/Pledge of Allegiance — Ms. Currie

II. Comments by Visitors & Delegations

Submit comments by using Facebook Live and beginning your comment with PUBLIC COMMENT if you would like your comment to be included in the public record for this meeting. Advance comments can be sent to govek@amesburyma.gov.

III. Communications & Reports

A. Liaisons
   1. Amesbury SEPAC — Lindsay Pouliot
   2. School Building Committee — Peter Hoyt

B. Educational Leadership
   1. Superintendent — Elizabeth McAndrews
      - Covid-19/Mask Update
      - Employee Handbook
      - MTSS
      - Other
   2. Director of Facilities – Buildings & Grounds Update — Matthew Bennett

C. Student Advisory Council — Anna Bailey

D. Subcommittees
   1. Budget & Finance — Feb 9
   2. Personnel — TBD
   3. Buildings & Grounds — TBD
   4. Policy — Mar 1
   5. Teaching & Learning — Feb 16
   6. AES Implementation Committee — Mar 23

E. Other business not reasonably anticipated by the chair.

IV. New Business
   1. Pre-K Tuition (First read)
   2. 2022-2023 School Year Calendar — Vote Expected
   3. Vote to Open School Choice – 2022-2023 School Year — Vote Expected

V. Consent Agenda

A. Minutes: Nov 15 | Dec 6 | Dec 13

B. Warrants: Jan 13 $916,306.79| Jan 14 $584,334.98| Jan 27 $873,934.28| Jan 28 $602,392.79

VI. Adjournment

Next regular meeting of the School Committee will be held on Tuesday February 15, 2022 at 7pm.

AESBC
1/27/2022
6 p.m.
virtual

1. **Call to Order**
2. **Public Comments**: none
3. **Approval of December 16, 2021 Meeting Minutes**: unanimous
4. **Approval of Invoices and Commitments**: Change Order #4=

- Cashman generator conduit and temp connections= $17,532.32 credit
- Elimination of applicant's environmental monitor= $21,000 credit
- Revise primary spare conduit from 5'' to 4''= $7,730.63 credit
- Existing generator repairs= $9,200.35 cost
- Food services equipment revisions-conveyor oven= $6,458,64 cost
- Energy management software= $5,966.41 credit

Total of $36,570.37 credited to construction contingency budget
Unanimous approval of commitments

- Invoices from NV5, DiNisco Designs, UTS Testing, BSC Group, and CTA December requisition including steel and underground plumbing costs

Total warrant/invoices of $3,073,668.26
Unanimous approval of warrant/invoices:

5. **Update on Construction Progress**:

- Good progress on steel with 2 of 3 large beams on site and installed in administrative wing with 3rd beam delivery due week of January 31st; when beam arrives it will go right into place on third level
- Underground utilities work on plumbing and electricity is complete and the site work is progressing
- Working Group Meetings focused on furniture, fixtures and equipment (FF&E) and Technology are ongoing; goal to finalize scope and begin procurement over the Summer of 2022
- Councilor Wheeler inquired about the status of the signed beam and the 'Topping off the Beam' too. The signed beam is already in place as the highest beam in the building and the "Topping Off Beam" will simply be a regular steel beam put in place last.
- Looking at steel work in the academic wing being completed in 3 weeks
- Sanitary drawings are nearing completion in accordance with Option A (shared sewer) as selected by the AESBC at December 16, 2021 meeting

6. **Proposed Next Meeting Date**: 2/17/2022, 6 p.m., virtual
7. **Other Business**: none
8. **Adjourn**

Submitted by Peter Hoyt

RPF Environmental
TESTING & CONSULTING SERVICES

Hazardous Materials Inspection & Assessment
Asbestos, Mold, Lead Paint, Radon, PCBs
Air Quality Testing and Investigations
Industrial Hygiene, Safety & Training

AMESBURY ACADEMY
71 Friend Street, Amesbury, MA

2021 ASBESTOS 3 YEAR REINSPECTION

Prepared by:

RPF ENVIRONMENTAL, INC.
320 First NH Turnpike
Northwood, NH 03261
603-942-5432

RPF File 21.0880

RPF Environmental, Inc. (RPF) conducted an asbestos reinspection for the Amesbury Academy on December 27, 2021, with EPA Asbestos Hazard Emergency Response Act (AHERA) requirement. The reinspection included a visual inspection of the areas known to contain asbestos-containing building materials (ACBM) and assumed ACBM, as stated in the AHERA inspection records provided to RPF for review.

In general, the ACBM inspected by RPF during this reinspection was observed to be in good to fair condition and the school should continue to manage the materials in accordance with the AHERA Management Plan and updated recommendations enclosed. However, it is important to note that RPF observed damaged friable ACBM boiler insulation and pipe and pipe fitting insulation. RPF understands that the school does not have access to the boiler room and leases the building space. The areas with damaged ACBM should be addressed as soon as feasible, and care must be used to prevent further disturbance and to avoid the creation of dust.

Records used to conduct the reinspection included the initial AHERA survey listings provided in the 2011 Initial Report, prepared by RPF and the 2019 3-year AHERA reinspection performed by RPF.

This reinspection report should be filed with the AHERA plans for each school building, as well as the central facilities office. Appendix A contains a listing of the ACBM reinspected during this project and the AHERA assessment and minimum recommended actions for each area of ACBM in the school. Appendix B includes management plan recommendations and updates to be used in conjunction with your original management plan for each building.

The Asbestos Program Manager (AHERA-designated person) for the school is required, pursuant to the AHERA Rule, to review this report and the appendices and to then develop a written plan to implement recommendations for management, abatement or additional testing work, as applicable. If you have any questions or comments, or if you would like assistance with the recommendations provided herein, please do not hesitate to call me.

Sincerely,
RPF ENVIRONMENTAL, INC.

Kara Forsythe, SMS
EH&S Consultant, Inspector

Enclosures:

Appendix A: ACBM Inventory
Appendix B: Management Plan Updates
Appendix C: Reinspection Accreditation
Appendix D: Methodology and Limitations

APPENDIX A

CODE DESCRIPTIONS

(Index sheet for use with room-by-room listings in this appendix)

EPA Assessment Codes:

1. Damaged or significantly damaged thermal systems insulation asbestos containing material (ACM)
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with the potential for damage
6. ACBM with the potential for significant damage
7. Any remaining ACBM or friable suspected ACBM

NF. Material is nonfriable and assessments are not required by AHERA.

Response Summary Codes: (Summary of minimum recommendations only, please reference text of report and Appendix for additional recommendations.)

Code Description

1. **Continue to manage this ACBM under the buildings Management Plan, Operations and Maintenance (O&M) Program** and AHERA. Conduct spot maintenance repairs of any minor damage present (nonfriable ACBM) or that occurs in accordance with AHERA and the School O&M Program. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6-month basis, at a minimum.

2. **Conduct repair, surface cleaning, encapsulation or enclosure response actions** for this ACBM in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage this ACBM under the building Management Plan, O&M Program and AHERA (See Summary Code 1). A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. Some small-scale maintenance work (<3 linear/square feet) can be completed by the school's maintenance staff if they qualify for the licensing exemption and they possess adequate training, current refresher training, and the necessary personal protective equipment and safety programs in place. It recommended that pricing for removal also be obtained as an option for consideration. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6-month basis at a minimum.

3. **Remove the ACBM and conduct surface decontamination** as recommended by accredited/licensed project designer in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage any remaining ACBM under the building Management Plan, O&M Program and AHERA (See Summary Code 1). All assumed ACBM should be properly tested by a licensed inspection prior to abatement work or as soon as feasible, and the AHERA records updated accordingly. A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. All abatement activities must be conducted by properly accredited and licensed personnel/companies.

4. **Complete verification of AHERA Inspection documentation**. A Licensed inspector must assume materials are ACBM or properly test additional suspect ACBM. Exterior materials, except under certain circumstances, are not covered under AHERA but still must be inspected and handled as ACBM in accordance with other State, local, and federal regulations. Licensed inspector and management planner must update ACBM listings and Management Plans as needed. Obtain architectural statements for new construction/renovation areas in accordance with AHERA. Confirm that proper numbers of samples have been collected.

5. **Accessible ACBM Removed**. Removed material may be deleted from the ACBM listings. Abatement records should be reviewed to verify that all required records are on file at the school. RPF did not audit records for completeness or accuracy.

6. **Material could not be located** and may have been removed or enclosed, or it was not possible to confirm if the materials observed were in fact newer replacement materials. Verify abatement records and, if all records are obtained and complete, update the ACBM listings to reflect the abatement work. If an MNO listing is due to an inaccessible area or locked room, such areas should be inspected when feasible.

Amesbury Academy : 3-Year AHERA Reinspection 2022

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Academy; 71 Friend Street								
Basement								
Bathroom 1	12" Floor tile (tan) and associated black mastic	10 sq. ft	Misc.	No	Good	NF	1	
Bathroom 2	12" Floor tile (tan) and associated black mastic	10 sq. ft.	Misc.	No	Good	NF	1	
Closet	Pipe and pipe fitting insulation	80 lf.	TSI	Yes	Damaged	1	2 or 3	Materials were observed to be delaminating and moisture damage. Repair or Remove. Conduct O&M surface cleaning of all surfaces within 15' of ACBM Insulation. Closet is locked at all times and students do not have access to the areas.
Boiler Room	Boiler Insulation	100 sq. ft.	TSI	Yes	Damaged	1	2	Materials were observed to have cracking, dents and cracks. Repair. Conduct O&M surface cleaning within 15' of ACBM insulation. RPF could not gain access to this area, client did not have key, the landlord has key. Assessments are based on 2019 inspection. Area needs to be reviewed and assessed by a licensed inspector ASAP.
	Pipe and Pipe Fitting Insulation	100 lf.	TSI	Yes	Damaged	1	2	6" and 12" diameter pipe was observed to be damaged which included cracking, delaminating and moisture. Repair. Conduct O&M surface cleaning within 15' of all surfaces with ACBM.

Amesbury Academy : 3-Year AHERA Reinspection 2022

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Academy; 71 Friend Street								
	Plaster Ceiling	750 sq. ft.	Surfacing	Yes	Damaged	2	2	Materials observed in damage condition with minor cracking present on various areas on the ceiling. Repair. Conduct O&M surface cleaning within 15' of all Surfaces with ACBM. RPF could not gain access to this area, client did not have key, the landlord has key. Assessments are based on 2019 inspection. Area needs to be reviewed and assessed by a licensed inspector ASAP.
Bathroom	Linoleum	6 sq. ft.	Misc.	No	Good	NF	1	
Throughout	Other suspect materials are present and further review is required. Prior to any renovation and/or demolition a full NESHAP survey must be conducted in accordance with various state and federal regulations.						4	Possible inaccessible ACBM also.

Category: MISC is miscellaneous material; TSI is thermal system insulation; SURF is surfacing material. Categorized in accordance with 40 CFR Part 763.

Assessment Codes based on 40 CFR Part 763: 1. Damaged or significantly damaged thermal system insulation ACM; 2. Damaged friable surfacing ACM; 3. Significantly damaged friable surfacing ACM; 4. Damaged or significantly damaged friable miscellaneous ACM; 5. ACBM with potential for damage; 6. ACBM with potential for significant damage; 7. Any remaining ACM. "NF" means nonfriable, and assessments are not required. MNO means material not observed. Please reference AHERA and the school management plan for discussion on assessment codes.

Response Codes: 1. Manage ACBM in accordance with Management Plan; 2. Conduct repairs and cleaning; 3. Conduct removal and cleaning; 4. Material suspect and requires further testing; 5. ACBM has been removed and may be removed from listings; 6. ACBM was not observed and further review is required. See further discussion and requirements in report.

Scheduling: For general O&M management of ACBM recommendations, the beginning start date was the inception of the management plan and the completion shall be until removal of all materials or sampling and analysis proved material is non-ACBM unless otherwise specified in the notes/scheduling column. O&M cleaning of surfaces in locations with friable ACBM or damaged ACBM, and Code 2 repairs and cleaning be completed by June 30, 2022 or sooner if feasible.

APPENDIX B

AHERA Management Plan – 2021 Update Recommendations

The following comments and recommendations should be reviewed in conjunction with the findings and discussions contained in the text of the report, attachments, the school's 1989 initial AHERA Report and Management Plan, and the federal standard 40 CFR Part 763. In particular, the existing Operations and Maintenance program should be referenced for additional work methods, minimum requirements and procedures, and safety and health.

Documentation review during the reinspection consisted of only those specific documents which list ACBM and were provided by the school for RPF to review. A full review or audit of the AHERA Plans for each building (including abatement records), other record-keeping requirements, or AHERA implementation records was not completed as part of this service. Except as otherwise noted, the reinspection work only included ACBM's identified in the inspection report provided to RPF by the school. During the reinspection and initial inspections, abatement documentation and other record-keeping items were not completely reviewed or audited for accuracy and completeness. This type of review was beyond the scope of services for the project.

A full inspection (for confirmation of previous inspection results) was also not completed during this project. In the event that other readily accessible suspect materials were observed by the inspector during the course of the reinspection (materials that may have been missed during the initial inspection or may require confirmation testing), the inspector provided preliminary notation on the reinspection reports to make the school aware that additional inspection or review may be required. Based on the RPF preliminary review of the records provided to RPF, it is RPF's opinion that the AHERA Plans may not address all of the possible ACBM present. However, in accordance with AHERA reinspection requirements, the inspector did not conduct full initial inspection during the course of the reinspection work.

Asbestos Program Manager

The school must maintain a current true and correct statement, signed by the individual designated by the school (the Asbestos Program Manager) that certifies that the general, local education agency responsibilities, as stipulated by the AHERA regulation, have been met or will be met. It is important to update this as personnel changes occur and that a copy is maintained with the current Management Plan documentation. The Asbestos Program Manager must be sure to receive and maintain adequate training and to obtain and file all necessary recordkeeping requirements pursuant to AHERA and the Management Plan, including but not limited to: training, reinspections, surveillance, O&M activity, abatement design and final reports, annual notifications, and other related asbestos management information and documentation.

Resources

Below is an estimated cost for various training and requirements of the AHERA management plan with reasonable cost assumptions over the next three years:

Task/Description	Estimated Costs
Annual 2-hour Awareness Training	$750-$950
O&M Initial Training - up to 5	$1,600-$2,100
O&M Refresher Training	$850-$1,050
6-month Periodic Surveillance (if outsourced and not performed by the trained in-house staff)	$500 -$800
3-year AHERA Reinspection 2024	$750 -$1,050
Additional Inspection, Lab Work, Updates	$1,700-$2,000

Actual final costs may vary substantial from these estimates based on final project design work phase in, and other factors.

In addition, it is anticipated that some of the repair and cleaning work (small-scale and of short duration) that is recommended will be completed by in-house O&M level trained facilities staff, in accordance with the school's existing O&M Program and AHERA requirements. As such, the incremental increase in cost will likely be approximately $1,500 for various materials and disposal.

Preliminary estimated cost ranges for abatement project design, oversight and air monitoring, clearance testing, and removal and disposal of all the known ACBM at each school building is as follows:

Amesbury Academy: $15,500 to $30,000

3-Year Reinspection

The school must continue to have a reinspection completed by a licensed inspector and management planner at least once during every three-year period from the inception of the Management Plan.

6-Month Surveillance

The school must continue to have periodic surveillance of all ACBM at least every 6-months, by either an adequately trained O&M level staff member or an outside licensed inspector.

Maintenance and Custodial Staff Training

The school shall ensure that all custodial and maintenance employees are properly trained in accordance with AHERA and other applicable rules and regulations

2 Hour Awareness: All janitorial, custodial and maintenance staff shall have a minimum of 2-hour asbestos awareness training upon hiring and each year

O&M Level Training: Maintenance staff who may come in contact or who may disturb asbestos shall have a minimum of 16-hours of training upon hire and

annual refresher training per State and EPA/OSHA requirements.

O&M Level Activity

The school must continue to ensure that all appropriate procedures are taken to protect building occupants for any O&M activity undertaken, including but not limited to:

- Restrict entry into the area by persons other than those necessary to perform the maintenance project, either by physically isolating the area or by scheduling.
- Post signs to prevent entry by unauthorized persons.
- Shut off or temporarily modify the air-handling system and restrict other sources of air movement.
- Use work practices or other controls, such as wet methods, protective clothing, HEPA-vacuums, mini-enclosures, and glove bags, as necessary to inhibit the spread of any released fibers.
- Clean all fixtures or other components in the immediate work area.
- Place the asbestos debris and other cleaning materials in a sealed, leak-tight container for proper disposal at a permitted site.

O&M activity is typically limited to small-scale, short duration work where the primary intent is building maintenance, repair, or renovation where the removal of ACBM is not the primary goal of the job; and the amount of ACBM to be disturbed or repaired is less than 3 linear or 3 square feet. Larger projects or activity cannot be broken up or scheduled in groups to minimize the quantity of ACBM for the purposes of classifying work as small-scale, short duration O&M activity.

Worker Protection

The school must comply with either the OSHA Asbestos Construction Standard at 29 CFR 1926.1101 (or for public employees the Asbestos Worker Protection Rule at 40 CFR 763.120) including proper training, personal protective equipment, respiratory protection programs, medical surveillance, proper equipment and engineering controls, and other relevant work and safety requirements.

General O&M Cleaning

Cleaning should be completed through each entire room marked (or as otherwise indicated on the attached room-by-room inventory) as having damaged ACBM or friable ACBM present, as stated in AHERA, on a semi-annual basis.

(i) HEPA-vacuum or steam-clean all carpets.

(ii) HEPA-vacuum or wet-clean all other floors and all other horizontal surfaces.

(iii) Dispose of all debris, filters, mop heads, and cloths in sealed, leak-tight containers

Fiber Release Episodes

In the event of the falling or dislodging of small amounts, less than 3 square or 3 linear feet of ACBM, ensure the following is completed by O&M level trained, qualified staff:

- Immediately restrict access and thoroughly saturate the debris using wet methods.
- Clean the area using appropriate O&M level methods.
- Place the asbestos debris in a sealed, leak-tight container for proper disposal
- Repair the area of damaged ACBM as applicable according to the AHERA rule.

In the event of the falling or dislodging of more than 3 square or 3 linear feet of ACBM:

- Immediately restrict entry to the area and post signs to prevent entry into the area by persons other than those necessary to perform the response action.
- Shut off or temporarily modify the air-handling system to prevent the distribution of fibers to other areas in the building.
- Contact the school's outside consultant for assistance with testing and design of the appropriate response action. Use the design plan to obtain pricing from qualified abatement contractors to complete the response action.

Other Specific ACBM Updates

Flooring and Mastic and Linoleum

The floor tile and mastic are present in both the basement and first floor bathroom and are nonfriable ACBM with the potential for damage. No immediate response action is required, as these materials can safely be managed in place. The materials were in good condition with some minor wear and tear observed. Care should be used not to disturb the underlying flooring (i.e., drilling or cutting holes for electrical/plumbing work). Regarding the flooring that is not covered with carpeting and/or newer 12" floor tile, care should be taken to avoid activities which will abrade the surface of the floor tile. Buffing, stripping, and other flooring maintenance activity should be completed in accordance with the most current guidelines for ACBM flooring. High speed buffing or use of abrasive pads must not be conducted on the ACBM floors. (References the Draft EPA Region I Guidance Document enclosed herein.)

The flooring ACBM must be managed properly in accordance with AHERA and this management plan until they are completely removed.

Flooring mastic, along with any floor tile or linoleum that is, was, or may have been assumed to be ACBM, should continue to be classified as ACBM and

properly tested prior to any flooring removal work (as applicable). It should be noted that a recent EPA advisory statement recommends that flooring which was previously tested as asbestos-free be confirmed using electron microscopy prior to any removal or other activities that may results in the disturbance of the flooring.

Pipe and Pipe Fitting Insulation

The insulation observed in the basement closet. The closet is locked, and students have no access to the area. These materials were observed to be damaged which included moisture damage and delaminating and are classified as damaged or significantly damaged ACBM and repairs/removal is required by licensed and trained personnel. Special care should be used when accessing areas above ceilings or within walls to avoid accidental disturbance to the ACBM insulation or any possible debris and contaminated dust. It is also likely that additional material is present in locations not accessed for the reinspection work or in concealed locations at both the Paul Smith School, as well as the high school mechanical tunnel.

Initial and periodic cleaning of the adjacent surfaces should be performed on an annual basis at a minimum, using wet-wiping and HEPA vacuuming.

Exterior Suspected ACBM

Exterior ACBM (in many cases) is not directly regulated by AHERA but are regulated by other State and federal regulations. Prior to any disturbance, renovation, or demolition, a licensed inspector must inspect for and sample any suspect exterior ACBM to be impacted or disturbed. If ACBM is found, a licensed project designer should prepare abatement plans as needed to facilitate work.

Warning Labels

The schools must ensure warning labels are and continue to be immediately adjacent to any friable and nonfriable ACBM, suspected ACBM, and assumed to be ACM located in routine maintenance areas (such as boiler rooms, mechanical space and maintenance areas) at each school building. The warning label must read (in print which is readily visible because of large size or bright color) as follows: CAUTION: ASBESTOS. HAZARDOUS. DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT.

Asbestos Abatement Activity

Asbestos response actions, as defined by AHERA, must be detailed in a specification (project design) prepared by a licensed asbestos abatement project designer in accordance with AHERA and State regulations. Licensed personnel/contractors must carry out the response actions. Abatement activity itself is beyond the scope of the management plan/O&M program.

AHERA Management Plan – 2021 Update Recommendations

New Construction, Additions and Renovated Space

For any new buildings or renovated space, obtain architectural/engineering (A/E) statements for new construction/renovation areas in accordance with AHERA, certifying that no asbestos was specified or used. In lieu of A/E statements, all newly installed buildings materials must be tested pursuant to the AHERA inspection requirements.

Prior to any renovation or demolition activity, additional inspection and testing by a licensed inspector is required to satisfy current state, EPA and OSHA requirements that may exceed the inspection requirements under AHERA and the existing inspection documentation for the school buildings.

In the event that any renovation work or other construction, repairs or maintenance is to be completed, then the APM must review the work to determine that the ACBM will not be impacted, either directly or indirectly. If there exists a potential that the ACBM may be disturbed, then an accredited project designer/management planner should review the project and prepare abatement specification as required. Only properly accredited and licensed personnel should complete the work.

Conflict of Interest

Pursuant to the EPA AHERA requirements and industry standards, abatement contractors should be engaged for inspection, testing, lab work, design or oversight, and clearance testing services. These services must be performed by qualified, certified firms completely independent of any abatement contractors used to complete work for the school.

**Note: Also reference the 2021 Reinspection Report for additional comments and recommendations.*

OSHA Asbestos Flooring Maintenance Information

OSHA ASBESTOS FLOORING MAINTENANCE SECTION

1926.1101(l)(3) Care of asbestos-containing flooring material.

1926.1101(l)(3)(i)

All vinyl and asphalt flooring material shall be maintained in accordance with this paragraph unless the building/facility owner demonstrates, pursuant to paragraph (g)(8)(i)(I) of this section that the flooring does not contain asbestos.

1926.1101(l)(3)(ii)

Sanding of flooring material is prohibited.

1926.1101(l)(3)(iii)

Stripping of finishes shall be conducted using low abrasion pads at speeds lower than 300 rpm and wet methods.

1926.1101(l)(3)(iv)

Burnishing or dry buffing may be performed only on flooring which has sufficient finish so that the pad cannot contact the flooring material.

..1926.1101(l)(4)

1926.1101(l)(4)

Waste and debris and accompanying dust in an area containing accessible thermal system insulation or surfacing ACM/PACM or visibly deteriorated ACM:

1926.1101(l)(4)(i)

shall not be dusted or swept dry, or vacuumed without using a HEPA filter;

1926.1101(l)(4)(ii)

shall be promptly cleaned up and disposed of in leak tight containers.

OSHA Standards Interpretation and Compliance Letters

11/05/1999 - Questions regarding the cleaning of asbestos-containing floor tile.

OSHA Standard Interpretation and Compliance Letters - Table of Contents

Interpretation **:Record Type**
(l)(3)1926.1101;(k)(7)1910.1001 **:Standard Number**
Questions regarding the cleaning of asbestos-containing **:Subject**
.floor tile
11/05/1999 **:Information Date**

November 5, 1999

William A. Onderick, President
RFM Inc.
1008 Dogwood Lane
West Chester, Pennsylvania 19382

Dear Mr. Onderick:

Thank you for your July 27 letter regarding the cleaning of asbestos-containing floor tile. You wish clarification of the provisions in the Occupational Safety and Health Administration (OSHA) asbestos standards which regulate this activity. Your questions and our answers are provided below.

:Question 1

> Are we correct that asbestos floor tile **cleaning** activities (normal maintenance such as stripping and buffing operations) are covered under both the Asbestos General Industry Standard (§1910.1001) and the Asbestos Construction Standard (§1926.1101)?

:Answer

control methods for only Class I or II asbestos work. The fact that the asbestos PELs are not exceeded when the floor stripping uses low abrasion pads at speeds greater than 300 revolutions per minute (rpm) is not a sufficient condition to warrant the receipt of a variance permitting such use. In order to receive a variance, the employer must have implemented some means of maintaining asbestos aerosol levels in the employees' breathing zones at levels equal to or less than the levels occurring at speeds lower than 300 rpm.

:Question 4

While the Construction Standard discusses submitting alternative work procedures, the General Industry Standard does not. How does one handle an alternative work procedure regarding the General Industry Standard?

:Answer

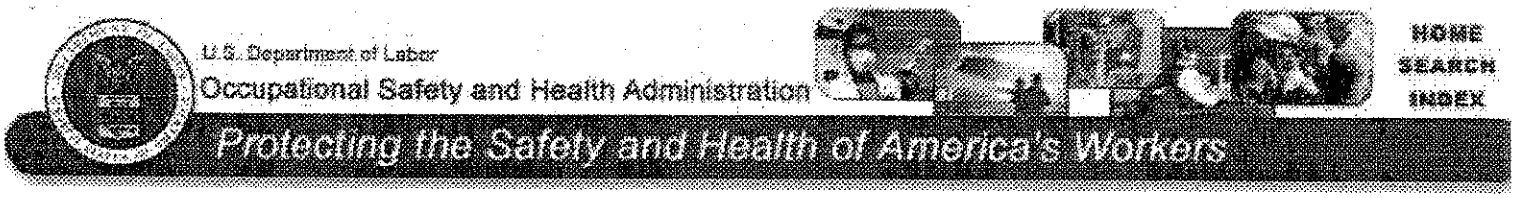
As we noted in our reply to your third question, the Construction Asbestos Standard makes allowances for alternative control methods for only Class I or II asbestos work. Therefore, whether the stripping or buffing of asbestos-containing flooring material is covered by the Construction Asbestos Standard or the General Industry Asbestos Standard, the employer who wishes to use alternative stripping or buffing procedures must seek a permanent variance.

Thank you for your interest in occupational safety and health. We hope you find this information helpful. Please be aware that OSHA's enforcement guidance is subject to periodic review and clarification, amplification, or correction. Such guidance could also be affected by subsequent rulemaking. In the future, should you wish to verify that the guidance provided herein remains current, you may consult OSHA's website at http://www.osha.gov. If you have any further questions, please feel free to contact OSHA's Office of Health Compliance Assistance at (202) 693-2190.

Sincerely,

Richard E. Fairfax, Director
Directorate of Compliance Programs

OSHA Standard Interpretation and Compliance Letters - Table of Contents



[Text Only]

Standard Interpretations
02/09/2000 - Use of electric floor buffer with rotating blade attachment to remove asbestos-containing mastic.

Standard Interpretations - Table of Contents

- **Standard Number:** 1926.1101(g)(8); 1926.1101(b)

OSHA requirements are set by statute, standards and regulations. Our interpretation letters explain these requirements and how they apply to particular circumstances, but they cannot create additional employer obligations. This letter constitutes OSHA's interpretation of the requirements discussed. Note that our enforcement guidance may be affected by changes to OSHA rules. Also, from time to time we update our guidance in response to new information. To keep apprised of such developments, you can consult OSHA's website at http://www.osha.gov.

February 9, 2000

Ms. Paula K. Smith
Attorney for Utah OSHA
State of Utah
Labor Commission
Office of General Counsel
160 East 300 South, 3rd Floor
P.O. Box 146600
Salt Lake City, Utah 84114-6600

Dear Ms. Smith:

Thank you for your December 14, 1999 letter to the Occupational Safety and Health Administration's (OSHA's) Directorate of Compliance Programs (DCP). We are providing you with interpretations of the Construction Asbestos Standard, 29 CFR 1926.1101, based on the specific situation you describe pertaining to floor tile and associated mastic removal.

Scenario: You describe an employer in Utah who was using an electric floor buffer with a rotating blade attachment to remove asbestos-containing mastic without first erecting a negative pressure enclosure (NPE) in which to perform the work. The employer in this scenario had wetted the floor. Utah OSHA (UOSH) believes the floor buffer was a

United States
Environmental Protection
Agency

National Risk Management
Research Laboratory
Cincinnati, OH 45268

Research and Development

EPA/600/SR-95/121 August 1995

EPA

Project Summary

Airborne Asbestos Concentrations During Buffing, Burnishing, and Stripping of Resilient Floor Tile

John R. Kominsky, Ronald W. Freyberg, and James M. Boiano

This study was conducted to evaluate airborne asbestos concentrations during low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile under pre-existing and prepared levels of floor care maintenance. Airborne asbestos concentrations were measured before and during each floor-care procedure to determine the magnitude of the increase in airborne asbestos levels during each procedure. Airborne total fiber concentrations were also measured for comparison with the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) of 0.1 f/cm^3, 8-hr. time-weighted average (TWA). Low-speed spray-buffing and wet-stripping were evaluated on pre-existing floor conditions and three levels of prepared floor-care conditions (poor, medium, and good). Ultra high-speed burnishing and wet-stripping were evaluated on two levels of prepared floor-care conditions (poor and good). All of the computed 8-hr. TWA personal sample results were below the OSHA PEL. It is noted that the floor tile in this study was of low asbestos content and in good condition, hence it is conceivable that floor tile with higher percentages of asbestos could result in higher levels of airborne asbestos during routine floor care maintenance activities. TEM analysis showed higher exposures to fibers predominantly less than 5 µm in length, whereas these shorter fibers were not counted by PCM.

This study shows that low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile can be sources of airborne asbestos in building air. The results suggest that multiple layers of sealant applied to the floor prior to the application of the floor finish can reduce the release of asbestos fibers during polish removal. The results of this study further support the U.S. EPA Recommended Interim Guidance for Maintenance of Asbestos-Containing Floor Coverings.

This Project Summary was developed by EPA's National Risk Management Research Laboratory, Cincinnati, OH, to announce key findings of the research project that is fully documented in a separate report of the same title (see Project Report ordering information at back).

Introduction

Three principal types of preventive maintenance are routinely performed on resilient floor tile: spray-buffing, ultra high-speed burnishing, and wet-stripping followed by refinishing. Spray-buffing is the restorative maintenance of a previously polished floor by use of a floor-polishing machine (operating at 175 to 1000 rpm) immediately after the surface has been mist-sprayed with a restorative product whereby the floor is buffed to dryness. Ultra high-speed burnishing is the buffing of a previously polished floor by using a floor polishing machine (operating at greater than 1500 rpm) without using a

restorative spray product. Wet-stripping is the removal of the finish from the floor using a chemical floor-polish stripper and a 175 rpm floor machine equipped with an appropriate strip pad. This current study was conducted to evaluate airborne asbestos concentrations during low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile under pre-existing and prepared levels of floor care maintenance.

Objectives

The objectives of the study were as follows:

- To determine the airborne asbestos concentrations during low-speed spray-buffing of asbestos-containing resilient floor tile in pre-existing floor condition.
- To determine airborne asbestos concentrations during polish removal from asbestos-containing resilient floor tile in pre-existing floor condition.
- To determine and compare the airborne asbestos concentrations during low-speed spray-buffing of asbestos-containing resilient floor tile in poor, medium, and good floor conditions.
- To determine and compare airborne asbestos concentrations during polish removal after low-speed spray-buffing of asbestos-containing resilient floor tile in medium and good conditions using a manual floor machine.
- To determine and compare the airborne asbestos concentrations during ultra high-speed burnishing of asbestos-containing resilient floor tile in poor and good floor conditions.
- To determine and compare the airborne asbestos concentrations during polish removal after ultra high-speed burnishing of asbestos-containing resilient floor tile in poor and good floor conditions using an automated floor machine.
- To determine whether personal breathing zone concentrations during low-speed spray-buffing of floors in pre-existing, poor, medium, and good conditions exceed the OSHA Permissible Exposure Limit (PEL) of 0.1 f/cm^3, 8-hr. Time-Weighted Average (TWA).
- To determine whether personal breathing zone concentrations during ultra high-speed burnishing of floors in poor and good conditions exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.
- To determine whether personal breathing zone concentrations during polish removal after low-speed spray-buffing of floors in pre-existing, poor, medium, and good condition exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.
- To determine whether personal breathing zone concentrations during polish removal after ultra high-speed burnishing of floors in poor and good conditions exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.

Site Description

This study was conducted in an unoccupied building located at the decommissioned Chanute Air Force Base (AFB) in Rantoul, IL. The study was conducted in a room which contained approximately 8600 ft^2 of open floor space tiled with 9-inch by 9-in. resilient floor tile containing approximately 5% chrysotile asbestos. Representatives of the Chemical Specialties Manufacturers Association (CSMA) and a floor products manufacturer visually inspected the physical condition of the floor. Their inspection focused on the evenness of the floor plane and the physical condition of the tile. They concluded that the floor was acceptable for the proposed study.

Configuration for Low-speed Spray-buffing and Wet-stripping Experiments

Approximately 6500 ft^2 of floor space was isolated as the experimental test area. A containment shell was constructed from 2-in. by 4-in. and 2-in. by 6-in. lumber to provide five equally-dimensioned test rooms, each with approximately 1300 ft^2 of floor space and 7-ft ceiling height. The containment shell was then surfaced with 6-mil polyethylene sheeting to provide airtight walls and ceilings for the five test rooms. The ceiling for each test room consisted of a single layer of polyethylene sheeting. The walls of each test room were surfaced with seven layers of polyethylene sheeting. Four high-efficiency particulate air (HEPA) filtration units were placed in the hallway outside of the five test rooms to ventilate the test rooms and reduce the airborne asbestos concentrations to background levels after each experiment.

Configuration for Ultra High-Speed Burnishing and Wet-Stripping Experiments

Upon completion of the low-speed spray-buffing and wet-stripping experiments, the test area was reconfigured to accommodate the ultra high-speed burnishing and wet-stripping experiments. The test area was reconfigured to provide a single test room of approximately 6500 ft^2 of floor space and 7-ft. ceiling height. The ceiling for the test room consisted of a single layer of polyethylene sheeting. The walls were surfaced with eight layers of polyethylene sheeting. Three HEPA filtration units were placed in the hallway outside of the test room to ventilate the test room and reduce the airborne asbestos concentrations to background levels after each experiment. The units were operated during the preparation phase of each experiment but not during the actual burnishing or wet-stripping experiments. All three HEPA units discharged the air outdoors via 12-in. diameter flexible ducting. Fresh air into the test room was obtained directly from outdoors through windows.

Experimental Design

Low-Speed Spray-Buffing and Wet-Stripping

Pre-existing Conditions

Low-speed spray-buffing was first evaluated on the pre-existing floor-care condition. Pre-existing condition was the condition of the floor as it existed in the room prior to evaluating the prepared floor-care conditions. Pre-existing floor conditions consisted of an undetermined number of coats of a Carnauba-type, buffable polish on the floor tile. Low-speed spray-buffing of the pre-existing floor-care condition was evaluated five times, once in each of the five test rooms. Wet-stripping (including polish and sealant removal) was also evaluated on the pre-existing floor-care condition. Wet-stripping of the pre-existing floor-care condition was evaluated five times, once in each of the five test rooms.

Prepared Floor Care Conditions

Low-speed spray-buffing was evaluated on three levels of prepared floor-care conditions: 1) poor floor-care condition, 2) medium floor-care condition, and 3) good floor-care condition. Poor floor-care condition was defined as a floor with one coat of sealant and one coat of polish. Medium floor-care condition was defined as a floor with one coat of sealant and two coats of polish. Good floor-care condition was defined as a floor with two coats of sealant and three coats of polish. Floor-care conditions were defined in consultation with the CSMA and other representatives of floor-care products manufacturers. Each floor-care condition was evaluated five times, once in each of the five test rooms, to yield a total of 15 experiments.

Wet-stripping after low-speed spray-buffing was evaluated on two levels of floor-

dure had a statistically significant effect on airborne asbestos concentrations measured during the procedure (p=0.0128). Specifically, larger increases in airborne asbestos concentrations were observed during wet-stripping than during spray-buffing. The estimated airborne asbestos concentrations during spray-buffing and wet-stripping as a proportion of the respective baseline concentrations were calculated along with the corresponding 95% confidence interval. The average airborne asbestos concentration measured during low-speed spray-buffing was approximately 11 times greater than the average baseline concentration. The 95% confidence interval for this proportion is (2.6, 47). The lower 95% confidence limit is greater than 1, which indicates this is a statistically significant increase. The average airborne asbestos concentration measured during wet-stripping was approximately 186 times greater than baseline concentrations. The 95% confidence interval for this proportion is (44, 788). The lower 95% confidence limit is greater than 1, which indicates this is a statistically significant increase.

PCM Concentrations

Two personal breathing zone samples were collected during each experiment and analyzed by PCM. None of the individual PCM concentrations exceeded the OSHA PEL of 0.1 f/cm^3. The highest individual PCM concentration (0.023 f/cm^3) was measured during wet-stripping. The 8-hr TWA concentrations associated with the measured levels were calculated by assuming zero exposure beyond that which was measured during the experiment. The 8-hr TWA concentrations ranged from 0.001 to 0.003 f/cm^3 during low-speed spray-buffing and from 0.0003 to 0.003 f/cm^3 during wet-stripping of floors in pre-existing condition. None of the 8-hr TWA concentrations exceeded the OSHA PEL of 0.1 f/cm^3.

Although the results of the personal breathing zone samples analyzed by PCM were all below the OSHA PEL, considerably higher exposures were shown by the personal breathing zone samples analyzed by TEM. Two primary reasons explain why the TEM concentrations were considerably higher than the PCM concentrations. First, PCM cannot detect fibers thinner than 0.25 µm in width. Second, the PCM method used in this study (i.e., NIOSH 7400) does not count fibers shorter than 5 µm in length. Over 99% of the asbestos structures measured during low-speed spray-buffing and wet-stripping of floors in pre-existing condition were shorter than 5 µm in length and would therefore not be counted by the PCM method.

Caution should be exercised in extrapolating the PCM measurements collected during this study to conditions at other sites. These tile were of low asbestos content and in good condition, and no other asbestos exposure activity was assumed.

Prepared Floor Conditions

TEM Concentrations

Figure 1 illustrates the overall average (geometric mean) concentrations measured before and during low-speed spray-buffing and wet-stripping on floors in prepared floor conditions. Although the mean relative increase in airborne asbestos concentrations during low-speed spray-buffing tended to decrease as the floor care condition improved (i.e., poor condition resulted in a larger relative increase than medium, and medium condition showed a larger relative increase than good), the differences between the three levels of floor care were not statistically significant (p=0.1149). Overall, the average airborne asbestos concentration during low-speed spray-buffing was approximately 2.6 times higher than the average baseline concentration. This increase was statistically significant (p=0.0017). A 95% confidence interval for the mean airborne asbestos concentration during spray-buffing as a proportion of the baseline concentration showed that the overall mean airborne asbestos con-

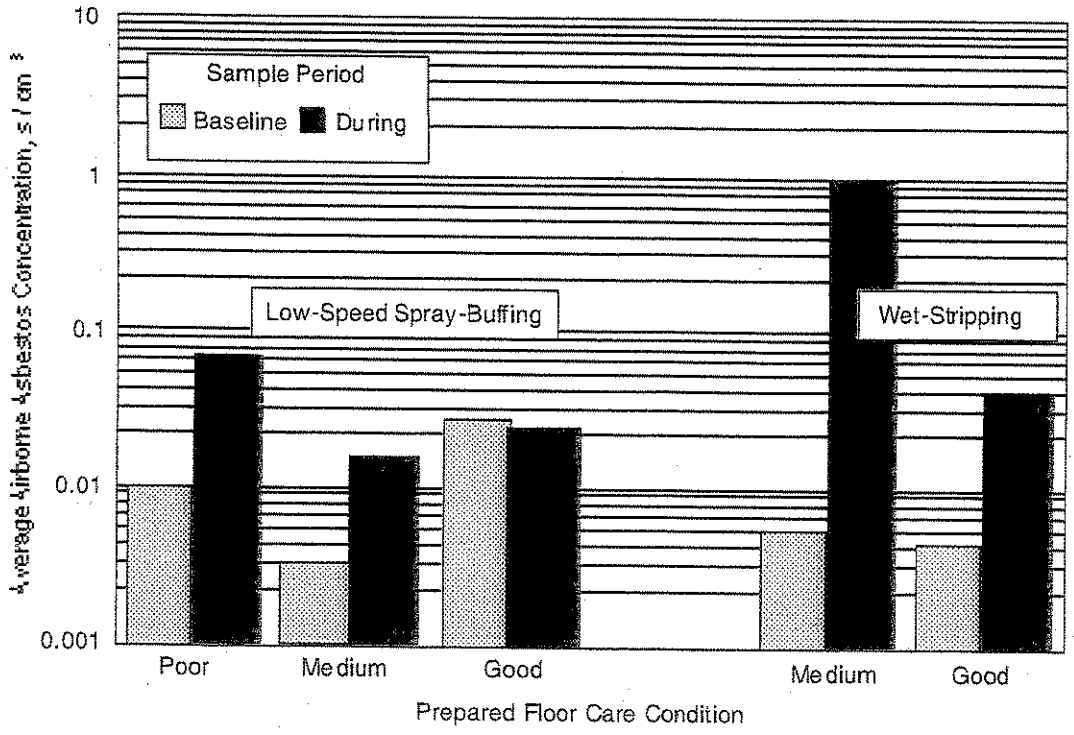


Figure 1. Average airborne asbestos concentrations during low-speed spraying of floors in prepared conditions.

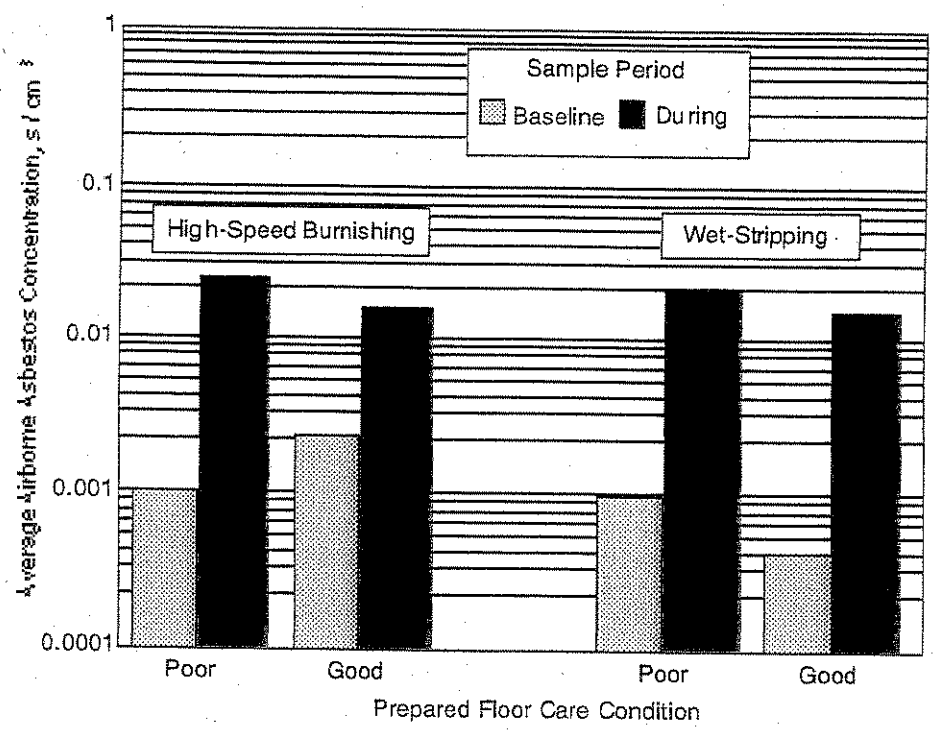


Figure 2. Average airborne asbestos concentrations measured before and during ultra high-speed burnishing and wet-stripping of floors in prepared conditions.

TWA concentrations measured during wet-stripping (after ultra high-speed burnishing) exceeded the OSHA PEL of 0.1 f/cm³ for total fibers, all of the 8-hr TWA concentrations measured during ultra high-speed burnishing exceeded the OSHA PEL. These exceedances, however, were due to the excess nonasbestos-containing particulate generated during the burnishing process and not to elevated airborne asbestos particles.

Conclusions

The following are the principal conclusions reached during this study:

1) Larger increases in airborne asbestos concentrations were observed during wet-stripping than during low-speed spray-buffing of floors in pre-existing condition. The average airborne asbestos concentration measured during low-speed spray-buffing was approximately 11 times greater than the average baseline concentration. The average airborne asbestos concentration measured during wet-stripping was approximately 186 times greater than the respective average baseline concentration. In both cases, the increases in airborne asbestos concentrations were statistically significant.

2) The average airborne asbestos concentration measured during low-speed spray-buffing of floors in the three levels of prepared floor-care conditions (poor, medium, and good) was approximately 2.6 times higher than the average baseline concentration. This increase was statistically significant.

3) The level of prepared floor care did not significantly affect the airborne asbestos concentrations measured during low-speed spray-buffing. Although the average increase in airborne asbestos concentrations tended to decrease as the level of floor care improved, the differences due to the three levels of floor care were not statistically significant.

4) Wet-stripping of floors in medium and good condition (after low-speed spray-buffing) resulted in statistically significant increases in airborne asbestos concentrations. The average airborne asbestos concentration measured during wet-stripping of floors in medium condition was approximately 108 times higher than the average baseline concentration, whereas the average airborne asbestos concentration measured during wet-stripping of floors in good condition was approximately 8.0 times higher than the average baseline concentration. The increase was statistically significant for both floor-care conditions.

5) A second layer of sealant appears to significantly decrease airborne asbestos levels during wet-stripping (after low-speed spray buffing). Larger increases in airborne asbestos concentrations were observed during wet-stripping of floors in medium condition than on floors in good condition. The average increase (relative to baseline measurements) in airborne asbestos concentration during wet-stripping of floors in medium condi-

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***Alva Edwards** is the Technical Project Officer (see below) and*
***Thomas Sharp** is the EPA Project Officer*
The complete report, entitled "Airborne Asbestos Concentrations During Buffing, Burnishing, and Stripping of Resilient Floor Tile," (Order No. PB95-260212; Cost: $27.00, subject to change) will be available only from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Telephone: 703-487-4650

The EPA Technical Project Officer can be contacted at:
National Risk Management Research Laboratory
U.S. Environmental Protection Agency
Cincinnati, OH 45268

United States
Environmental Protection Agency
Technology Transfer and Support Division (CERI)
Cincinnati, OH 45268

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machine speeds and the release of asbestos particles from asbestos containin floor coverings. The higher the machine speed the greater the probability o asbestos fiber release.

5. When stripping floors becomes necessary, the machine used for stripping th finish should be equipped with the least abrasive pad as possible, a black pa being the most abrasive and the white pad the least abrasive. Consult with you floor tile and floor finish product manufacturer for recommendations on whic pad to use on a particular floor covering. Incorporate the manufacturer recommendations into your floor maintenance work procedures.

6. Do not operate a floor machine with an abrasive pad on unwaxed or unfinishe floor containing-asbestos materials.

Finishing of Vinyl Asbestos Floor Coverings

1. Prior to applying a finish coat to a vinyl asbestos floor covering, appl 2 to 3 coats of sealer. Continue to finish the floor with a high percent soli finish.

It is an industry recommendation to apply several thin coats of a high percen solid finish to obtain a good sealing of the floor's surface, thereby minimizin the release of asbestos particles from the floor's surface.

2. If spray-buffing of floors is used, always operate the floor machine at th lowest rates of speed possible and equip the floor machine with the leas abrasive pad as possible. A recent USEPA study indicated that spray-buffing wit high-speed floor machines resulted in significantly higher airborne asbesto concentrations than spray-buffing with low speed machines.

3. When dry-burnishing of floors is used, always operate the floor machine a the lowest rate of speed possible to accomplish the task (i.e., 1200-1750 rpms) and equip the floor machine with the least abrasive pad as possible.

4. After stripping a floor and applying a new coat of sealer and finish, us a wet mop for routine cleaning whenever possible. When dry mopping, a petroleum-based mop treatment is not recommended for use.

5. During the winter months where sanding and/or salting of icy parking lot becomes necessary, it is an industry recommendation that a 16-24 ft. matting b used at the entrance way to the school building and where feasible inside th doorway. This would significantly eliminate the scuffing of floors by abrasiv sanding materials brought into the building on the shoes of students. Also mor frequent wet mopping and dry mopping of floors should be performed during th winter months to minimize damage to the floors.

6. Custodial and maintenance personnel responsible for daily VAT maintenanc should be limited to maintaining VAT floors totaling no more than 15,000-25,00 square feet per person/8-hour day, depending on conditions and othe responsibilities of the custodial and maintenance personnel.

DEFINITIONS

1. VAT: Vinyl Asbestos Tile.

2. Non-Friable: Any Asbestos Containing Material that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

3. Spray Buffing or Burnishing: The act of buffing or burnishing a floor finish while using a polishing or rejuvenating liquid. This liquid is sprayed on the floor in front of the buffer or burnisher a small area at a time. The floor machine is then used to polish the floor with this liquid. As a rule, polishes only polish while rejuvenaters help fill in minute scratches while polishing. Some of these products contain cleaners to help remove soiling on lightly soiled floors. How often these procedures are performed depends on many factors, such as, floor finish, traffic, machinery used, etc.

4. Dry Burnishing: The act of burnishing (high speed polishing) without any polishers, rejuvenaters or cleaners. Just the burnishing machine and the proper pad. This procedure hardens the finish and brings out the shine. Burnishing is performed using what is called a high speed burnisher or buffer. Simply put, this machine is a standard floor machine with an additional set of wheels for stability. These machines operate between 1,000 and 3,000 rpm. The faster the rpm, the faster and better the job can be performed.

5. Wet Scrubbing: A lightly abrasive (scrub) pad or brush is used on a 175-300 rpm floor machine to remove surface wear and dirt from the floor without removing all the floor finish. The floor is scrubbed with a neutral floor cleaner and water. This liquid is then removed with a mop or preferably with a wet vacuum. After rinsing, the floor is then re-coated with a compatible floor finish. The number of coats depends on the given situation and materials used.

6. Floor Stripping: When the floor finish has become heavily imbedded with soiling or discolored, it becomes necessary to totally remove (strip) the existing finish. This is accomplished by first applying a compatible floor finish remover or stripper. After the appropriate dwell time, the finish is liquified. The floor is then scrubbed using an abrasive pad or brush on a 175-300 rpm floor machine. The resulting liquid is then removed using a wet vacuum. These steps, in some cases, have to be repeated two or more times to assure the removal of all the existing finish. The floor is now rinsed as is appropriate with the products being used. The floor is now ready for finishing.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 25 1990

OFFICE OF
PESTICIDES AND TOXIC SUBSTANC

MEMORANDUM

SUBJECT: Recommended Interim Guidance for Maintenance of Asbestos-Containing Floor Coverings

FROM: Robert C. McNally, Chief
Assistance Programs Development Branch
Environmental Assistance Division (TS-799)

TO: Interested Parties

Attached are recommended interim guidelines for stripping wax or finish coat from asbestos-containing floors in your buildings. They were developed by the U.S. Environmental Protection Agency (EPA) in consultation with asbestos control professionals and several flooring material and floor care product manufacturers to reduce any possible exposure to asbestos fibers.

In November 1989, the local NBC affiliate in Washington, D.C. produced and aired a 3-part series on the potential danger of stripping asbestos-containing floor tiles. The NBC network news carried a brief portion of the series on November 29. The series concluded that stripping excess wax or finish coat from asbestos-containing floor tiles in schools may increase the asbestos exposure of school maintenance personnel and school children.

The series has precipitated numerous telephone calls to EPA Headquarters and to the ten EPA Regional offices. Perhaps many of you have also received calls from parents, staff, custodial workers, and others.

Since its airing, EPA's Environmental Assistance Division has tried to explain more clearly what the series did and did not demonstrate. First, there is no clear evidence that the "routine" stripping activities described in the series produced significantly elevated levels of asbestos fibers. In fact, the air levels generated during routine stripping were below those which require special procedures under federal regulation. Thus,

(continued on back)

APPENDIX C

STATE of NEW HAMPSHIRE
Department of Environmental Services
Asbestos Management & Control Program

ASBESTOS INSPECTOR

AI100394 R
KARA L FORSYTHE DOB: 10/19/1978

EFF. Date: 11/2/2021 EXP. Date: 11/1/2022

Air Resources Division Director
Craig A. Wright

Craig A. Wright

STATE of NEW HAMPSHIRE
Department of Environmental Services
Asbestos Management & Control Program

ASBESTOS MANAGEMENT PLANNER

AM100394 R
KARA L FORSYTHE DOB: 10/19/1978

EFF. Date: 11/2/2021 EXP. Date: 11/1/2022

Air Resources Division Director
Craig A. Wright

Craig A. Wright

RPF ENVIRONMENTAL, INC.

320 First NH Turnpike, Northwood, NH 03261 (603) 942-5432
Class Location: Northwood, NH

This is to certify that

Kara Forsythe

has completed the requisite training and
has passed an examination for accreditation as:

Asbestos Inspector - Annual Refresher
Pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

January 14, 2021
Course Date

January 14, 2021
Examination Date

January 14, 2022
Expiration Date

20.0288 - 06 – 10/19/78
Certificate Number/DOB

Dennis Francoeur, Jr. - Instructor

RPF ENVIRONMENTAL, INC.

320 First NH Turnpike, Northwood, NH 03261 (603) 942-5432
Class Located in Northwood, NH

This is to certify that

Kara Forsythe

has completed the requisite training and
has passed an examination for accreditation as:

Asbestos Management Planner - Annual Refresher
Pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

January 28, 2021
Course Date

January 28, 2021_
Examination Date

January 28, 2022
Expiration Date

21.0310 – 01 – 10/19/78
Certificate Number/DOB

Brianna Ham, Instructor

APPENDIX D

AHERA REINSPECTION METHODS & LIMITATIONS

Reinspection Methods

The reinspection was completed in accordance with Part 763.85 (b) of 40 CFR Part 763, Subpart E - Asbestos Hazard Emergency Response Act (AHERA). Accessible ACBM's which were identified in the existing AHERA reports were visually reinspected in accordance with AHERA, to (a) observe whether the materials are friable, (b) observe the conditions of the ACBM and potential for disturbance, and (c) to assess the hazard potential of the ACBM. Documentation review consisted of only those specific documents which list ACBM which were provided by the school to RPF for review. A full review or audit of the AHERA Plans for the building (including abatement records), other record keeping requirements, and AHERA implementation records were not completed as part of this service. Please note that this reinspection report is intended to comply with the federal regulation and the report should not be considered or referenced as a detailed, full initial AHERA room-by-room inspection. Please also reference the initial AHERA Inspection Report prepared for the building by RPF and subsequent update records. This reinspection does not meet the requirements for full inspections prior to renovation or demolition activity.

A full inspection (for confirmation of previous inspection results) was also not completed during this project. In the event that other readily accessible suspect materials were observed by the inspector during the course of the reinspections (materials that may have been missed during the initial inspection or may require confirmation testing), the inspector provided preliminary notation on the reinspection reports to make the school aware that additional inspection or review may be required. However, in accordance with the AHERA reinspection requirements, the inspector did not conduct full initial inspection during the course of the reinspection work.

Limitations

- This reinspection only included the school buildings designated in the RPF listing. If other buildings are used as school buildings in accordance with 40 CFR Part 763 and need to be reinspected, please notify our office to make necessary arrangements. This reinspection and report does not meet the requirements set forth by US EPA, OSHA, and State agencies for conducting full asbestos inspections prior to renovation or demolition.

- The observations and conclusions presented in the report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the Scope of Services as discussed in the proposal and text of the report. The conclusions and recommendations are based on visual observations and testing (which was limited as indicated in the report) and were arrived at in accordance with generally accepted standards of industrial hygiene practice and asbestos professionals. In addition, and as applicable, where sample analyses were conducted by an outside laboratory, RPF has relied upon the data provided and has not conducted an independent evaluation of the reliability of this data.

- Observations were made of the designated accessible areas of the site as indicated in the report. While it was the intent of RPF to conduct a survey to the degree indicated, it is important to note that not all suspect ACBM material at the site(s) were specifically assessed. Visibility was limited, as indicated, due to the presence of furnishings, equipment, solid walls, and solid or suspended ceilings throughout the facility. Suspect material may have been used and may be present in areas where detection and assessment are difficult until renovation and/or demolition proceeds.

- Although some assumptions may have been stated regarding the potential presence of inaccessible or hidden ACBM, a full inspection for all ACBM or a destructive inspection for possible inaccessible suspect ACBM was not conducted. This inspection did not include a hazard assessment survey or testing to determine current dust concentrations of asbestos in and around the building. The survey was limited to ACBM as indicated herein and a site assessment for other possible environmental health and safety hazards or subsurface pollution was not performed as part of the scope of this initial site inspection.

- Where access to portions of the surveyed area was unavailable or limited, RPF renders no opinion of the condition and assessment of these areas. The survey results only apply to areas specifically accessed by RPF during the site inspection.

- Interiors of mechanical equipment and other building or process equipment may also have ACBM gaskets or insulation present and were not included in this inspection. Further inspections would likely be required prior to renovation or demolition activity.

- Existing reports, drawings and analytical results provided by the Client to RPF (as applicable), were not verified and, as such, RPF has relied upon the data provided as indicated and has not conducted an independent evaluation of the reliability of this data.

- All hazard communication and notification requirements, as required by 40 CFR Part 763, U.S. OSHA regulation 29 CFR Part 1926, 29 CFR Part 1910, and other applicable rules and regulations, by and between the Client, general contractors, subcontractors, building occupants, employees, and other affected persons were the responsibility of the Client and Client's abatement contractor and are not part of the Scope of Services to be provided by RPF.

- Results presented in the report are limited to the materials and conditions present at the time that the site inspection was actually performed by RPF. The applicability of the observations and recommendations presented in this report to other portions of the site were not determined as part of this scope of work. Many accidents, injuries and exposures, and environmental conditions are a result of individual employee/employer actions and behaviors, which vary from day to day and with operations being conducted. Changes to the site that occur subsequent to the RPF inspection may result in conditions which differ from those present during the survey and presented in the findings of the report. For example, during construction changes it is possible that previously inaccessible suspect material may be encountered. As such, the contractors, employer's OSHA-competent persons, and other affected staff should be advised of the possible presence of inaccessible ACBM and suspect ACBM. In the event that newly identified suspect material is encountered, please contact RPF to arrange for proper inspection, assessment and testing as applicable.

- Typically, hazardous building materials such as asbestos, lead paint, PCB's, mercury, refrigerants, hydraulic fluids and other materials may be present in buildings. The survey performed by RPF only addresses the specific items as indicated in the report. In general, it is recommended that surveys for all accessible hazardous building material be performed. Notify RPF to arrange for additional survey work as needed.

RPF Environmental
TESTING & CONSULTING SERVICES

Hazardous Materials Inspection & Assessment
Asbestos, Mold, Lead Paint, Radon, PCBs
Air Quality Testing and Investigations
Industrial Hygiene, Safety & Training

AMESBURY PUBLIC SCHOOLS
Amesbury, MA

2021 ASBESTOS 3 YEAR REINSPECTION

Prepared by:

RPF ENVIRONMENTAL, INC.
320 First NH Turnpike
Northwood, NH 03261
603-942-5432

RPF File 21.0880

If you have any questions or comments, or if you would like assistance with the recommendations provided herein, please do not hesitate to call me.

Sincerely,
RPF ENVIRONMENTAL, INC.

Kara Forsythe, SMS
AHERA Compliance Manager

Enclosures:

Appendix A: ACBM Inventory
Appendix B: Management Plan Updates
Appendix C: Reinspection Accreditation
Appendix D: Methodology and Limitations

21.0880 3 Yr. AHERA 122721 Rpt

- Although some assumptions may have been stated regarding the potential presence of inaccessible or hidden ACBM, a full inspection for all ACBM or a destructive inspection for possible inaccessible suspect ACBM was not conducted. This inspection did not include a hazard assessment survey or testing to determine current dust concentrations of asbestos in and around the building. The survey was limited to ACBM as indicated herein and a site assessment for other possible environmental health and safety hazards or subsurface pollution was not performed as part of the scope of this initial site inspection.

- Where access to portions of the surveyed area was unavailable or limited, RPF renders no opinion of the condition and assessment of these areas. The survey results only apply to areas specifically accessed by RPF during the site inspection.

- Interiors of mechanical equipment and other building or process equipment may also have ACBM gaskets or insulation present and were not included in this inspection. Further inspections would likely be required prior to renovation or demolition activity.

- Existing reports, drawings and analytical results provided by the Client to RPF (as applicable), were not verified and, as such, RPF has relied upon the data provided as indicated and has not conducted an independent evaluation of the reliability of this data.

- All hazard communication and notification requirements, as required by 40 CFR Part 763, U.S. OSHA regulation 29 CFR Part 1926, 29 CFR Part 1910, and other applicable rules and regulations, by and between the Client, general contractors, subcontractors, building occupants, employees, and other affected persons were the responsibility of the Client and Client's abatement contractor and are not part of the Scope of Services to be provided by RPF.

- Results presented in the report are limited to the materials and conditions present at the time that the site inspection was actually performed by RPF. The applicability of the observations and recommendations presented in this report to other portions of the site were not determined as part of this scope of work. Many accidents, injuries and exposures, and environmental conditions are a result of individual employee/employer actions and behaviors, which vary from day to day and with operations being conducted. Changes to the site that occur subsequent to the RPF inspection may result in conditions which differ from those present during the survey and presented in the findings of the report. For example, during construction changes it is possible that previously inaccessible suspect material may be encountered. As such, the contractors, employer's OSHA-competent persons, and other affected staff should be advised of the possible presence of inaccessible ACBM and suspect ACBM. In the event that newly identified suspect material is encountered, please contact RPF to arrange for proper inspection, assessment and testing as applicable.

- Typically, hazardous building materials such as asbestos, lead paint, PCB's, mercury, refrigerants, hydraulic fluids and other materials may be present in buildings. The survey performed by RPF only addresses the specific items as indicated in the report. In general, it is recommended that surveys for all accessible hazardous building material be performed. Notify RPF to arrange for additional survey work as needed.

APPENDIX A

CODE DESCRIPTIONS

(Index sheet for use with room by room listings in this appendix)

EPA Assessment Codes:

1. Damaged or significantly damaged thermal systems insulation asbestos containing material (ACM)
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with the potential for damage
6. ACBM with the potential for significant damage
7. Any remaining ACBM or friable suspected ACBM

NF. Material is nonfriable and assessments are not required by AHERA.

Response Summary Codes: (Summary of minimum recommendations only, please reference text of report and Appendix for additional recommendations.)

Code Description

1. **Continue to manage this ACBM under the buildings Management Plan, Operations and Maintenance (O&M) Program** and AHERA. Conduct spot maintenance repairs of any minor damage present (nonfriable ACBM) or that occurs in accordance with AHERA and the School O&M Program. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6 month basis, at a minimum.

2. **Conduct repair, surface cleaning, encapsulation or enclosure response actions** for this ACBM in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage this ACBM under the building Management Plan, O&M Program and AHERA (See Summary Code 1). A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. Some small-scale maintenance work (<3 linear/square feet) can be completed by the school's maintenance staff if they qualify for the licensing exemption and they possess adequate training, current refresher training, and the necessary personal protective equipment and safety programs in place. It recommended that pricing for removal also be obtained as an option for consideration. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6 month basis at a minimum.

3. **Remove the ACBM and conduct surface decontamination** as recommended by accredited/licensed project designer in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage any remaining ACBM under the building Management Plan, O&M Program and AHERA (See Summary Code 1). All assumed ACBM should be properly tested by a licensed inspection prior to abatement work or as soon as feasible, and the AHERA records updated accordingly. A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. All abatement activities must be conducted by properly accredited and licensed personnel/companies.

4. **Complete verification of AHERA Inspection documentation**. A Licensed inspector must assume materials are ACBM or properly test additional suspect ACBM. Exterior materials, except under certain circumstances, are not covered under AHERA but still must be inspected and handled as ACBM in accordance with other State, local, and federal regulations. Licensed inspector and management planner must update ACBM listings and Management Plans as needed. Obtain architectural statements for new construction/renovation areas in accordance with AHERA. Confirm that proper numbers of samples have been collected.

5. **Accessible ACBM Removed**. Removed material may be deleted from the ACBM listings. Abatement records should be reviewed to verify that all required records are on file at the school. RPF did not audit records for completeness or accuracy.

6. **Material could not be located** and may have been removed or enclosed, or it was not possible to confirm if the materials observed were in fact newer replacement materials. Verify abatement records and, if all records are obtained and complete, update the ACBM listings to reflect the abatement work. If an MNO listing is due to an inaccessible area or locked room, such areas should be inspected when feasible.

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor								
Electrical Room	Muffler exhaust	10 lf.	TSI	Yes	Good	5	1	Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Café	12" floor tile	2,500 sq. ft.	Misc.	No	Fair	NF	1, 4	Flooring is in fair condition with a few missing and chipped floor tiles throughout. Conduct O&M removal of damaged floor tiles, wax area. Floor tiles observed to be cracking along the thresholds. Recommend removal of broken floor tiles. Apply additional two coat of wax in meantime until feasible for removal. Approximately 20 sq. ft. of replacement floor tiles present along the window wall.
	Flooring Mastic	2,500 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	200 lf.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	6 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Lunch room	12" floor tile	800 sq. ft.	Misc.	No	Fair	NF	1, 4	Normal wear throughout. Floor tiles starting to lift near heater, apply wax.
	Flooring Mastic	800 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	100 lf.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	5 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Stage	12" floor tile	300 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	300 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tile.
Storage (across from café)	Pipe fitting insulation	5 observed	TSI	Yes	Damaged	1	2	RPF observed duct tape repairs on pipe fittings, which is not approved. Below ceiling. Repair with wettable wrap and conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Paper Storage	Pipe fitting insulation	10 observed	TSI	Yes	Good	5	1	Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Gym	Pipe fitting insulation	28 observed	TSI	Yes	Damaged	1	2	Two pipe fitting insulation observed to be cracking/water damage. Repair with wettable wrap. Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
	12" floor tile	3,500 sq. ft.	Misc.	No	Fair	NF	1, 4	Floor tiles are worn and cracking at entrance. Repair loose/cracking floor tiles. Remaining areas have normal wear with minor chipped or lifting floor tiles throughout. Replacement floor tiles present, approximately 8 sq. ft. Apply additional two coat of wax in area until feasible for removal of broken and chipped floor tiles.
	Flooring Mastic	3,500 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.

See notes on last page

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor continued								
Gym storage	12" floor tile	100 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	100 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	100 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	2 observed	TSI	Yes	Good	5	1	Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Health and Ed. Services	12" floor tile	100 sq. ft.	Misc.	No	Fair	NF	1, 4	Replacement and lifting floor tiles present.
	Flooring Mastic	100 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	50 lf	Misc.	No	Good	NF	1	
Office (including nurse's area)	12" floor tile	1,200 sq. ft.	Misc.	No	Fair	NF	1, 4	Floor tiles were observed to be lifting.
	Flooring Mastic	1,200 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	200 lf.	Misc.	No	Good	NF	1	
School Psychologist previously listed as Learning center	12" floor tile	800 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	800 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	150 lf.	Misc.	No	Good	NF	1	
Library	12" floor tile	1, 500 sq. ft.	Misc.	No	Fair	NF	1, 4	Few areas of patched tiles present throughout the area.
	Flooring Mastic	1, 500 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
Room 1	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Fair	NF	1	Approximately one inch of damaged material present.
	Pipe fitting insulation	3 observed	TSI	Yes	Good	NF	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 2	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Fair	NF	1	Approximately three inches of damaged material present.
	Pipe fitting insulation	3 observed	TSI	Yes	Good	NF	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 3	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Floor tiles were observed to be lifting in the back connector hall.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	4 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 4	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	3 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
See notes on last page								

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor - continued								
Room 6	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	4 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 7	12" floor tile	960 sq. ft.	Misc.	MNO	MNO	MNO	4, 5,6	Previous site representative indicated these materials were removed during a recent flood. Removal records were not available. Assume until tested.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	3 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 8	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	5 observed	TSI	Yes	Good	NF	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
First floor stairwells (3)	12" floor tile	100 sq. ft./stairwell	Misc.	No	Damaged	NF	2,4	Stairwell by door #8 was observed to have significantly lifting and worn floor tiles. Flooring was being held down by duct tape, which is not an acceptable form of repair. Prioritized for abatement. Remove damaged floor tiles. Apply additional two coat of wax until feasible to remove floor tile or cover over existing floor tile.
	Flooring Mastic	100 sq. ft./stairwell	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
Corridor	12" floor tile	1,300 sq. ft.	Misc.	No	Damaged	NF	2,4	Flooring is being held down by duct tape, which is not an acceptable form of repair. Lifting and worn floor tiles throughout, remove damaged floor tiles. Apply additional coat of wax. Prioritize for abatement.
	Flooring Mastic	1,300 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	100 lf.	Misc.	No	Good	NF	1	
Custodian	12" floor tile	100 sq. ft.	Misc.	No	Fair	NF	1, 4	Water damaged and cracking floor tiles observed, approximately 5 sq. ft. of loose and damage floor tiles. Remove damaged floor tiles. No wax observed, apply a coat of wax in area.
	Flooring Mastic	100 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
Kitchen	Pipe fitting insulation	16 observed	TSI	Yes	Fair	1	2 or 3	Several fittings observed to have water staining observed. Repair with wettable wrap or Remove. Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
See notes on last page								

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor - continued								
School Psychologist office	12" floor tile	120 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	120 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
Room 9	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	20 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	3 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Room 10	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	3 observed	TSI	Yes	Good	5	1	Above ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Women's Bathroom	Ceramic tile mastic	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
	Ceramic tile grout	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
Men's Bathroom	Ceramic tile mastic	300 sq. ft.	Misc.	No	Good	NF	4	
	Ceramic tile grout	300 sq. ft.	Misc.	No	Good	NF	4	
Second Floor								
Room 11	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Cracking at side entrance.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze		Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 12	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 13	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Cracking at side entrance.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 14	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 15	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
Second Floor - Continued								
Room 16	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Materials had normal wear throughout.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 17	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Half of the room is covered over with carpet. Several areas of replacement floor tiles present.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 18	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 19	12" floor tile	960 sq. ft.	Misc.	No	Good	NF	1, 4	
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 20	12" floor tile	960 sq. ft.	Misc.	No	Fair	NF	1, 4	Cracking at side entrance.
	Flooring Mastic	960 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
Women's Bathroom	Ceramic tile mastic	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
	Ceramic tile grout	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
Men's Bathroom	Ceramic tile mastic	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
	Ceramic tile grout	300 sq. ft.	Misc.	No	Good	NF	4	Assumed
Second floor stairwells	12" floor tile	100 sq. ft./stairwell	Misc.	No	Fair	NF	1, 4	Some lifting and worn tiles throughout. Area of duct tape present holding the floor tiles down. Duct tape is not an acceptable form of repair. Prioritize for abatement. Apply additional coats of wax as needed.
	Flooring Mastic	100 sq. ft./stairwell	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
	Interior Window Glaze	25 lf.	Misc.	No	Good	NF	1	
Second floor corridors	12" floor tile	1,300 sq. ft.	Misc.	No	Fair	NF	1, 4	Some lifting and worn tiles throughout.
	Flooring Mastic	1,300 sq. ft.	Misc.	No	MNO	MNO	1, 4	Material is underneath floor tiles.
See notes on last page								

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
Modular Unit	12" Floor tile (blue)	500 sq. ft.	Misc.	No	Good	NF	4	Client is trying to obtain a architect/engineering statement from the manufacturer of the modular unit. If a statement cannot be obtained a full initial AHERA must be conducted in these area.
	Flooring Mastic	500 sq. ft.	Misc.	No	MNO	NF	4	
	Gypsum board with joint compound	5,000 sq. ft.	Misc.	No	Good	NF	4	
	2x4 Ceiling Tiles	2,500 sq. ft.	Misc.	Yes	Good	5	4	
	Covebase adhesive	250 lf.	Misc.	No	Good	NF	4	
	Wall Paneling Adhesive	unknown	Misc.	No	MNO	MNO	4	
	Chalkboard	1 board	Misc.	No	Good	NF	4	
	12" Floor tile (tan)	500 sq. ft.	Misc.	No	Good	NF	4	
	Flooring Mastic	500 sq. ft.	Misc.	No	Good	NF	4	
	12" Floor tile (red)	250 sq. ft	Misc.	No	Good	NF	4	
	Flooring Mastic	250 sq. ft	Misc.	No	Good	NF	4	
	Sink basin undercoat (grey)	1 sink	Misc.	No	Good	NF	4	
* Note: Previous inspection from Smith & Wessel dated November 1998 lists 9" floor tiles throughout the school, however only 12" floor tiles were observed to be present during this reinspection. According to the site representative no flooring removal has been conducted in this school and the 12" floor tiles are original. In addition, it appears that in some of the rooms that have half floor tile and half carpet that the carpet is directly on concrete. Prior to renovation or demolition, the school district may want to conduct confirmation testing on the material by a qualified and licensed personnel.								
Throughout	Other suspect materials are present and further review is required. Prior to any renovation and/or demolition a full NESHAP survey must be conducted in accordance with various state and federal regulations.						4	Possible inaccessible ACBM also.

Category: MISC is miscellaneous material; TSI is thermal system insulation; SURF is surfacing material. Categorized in accordance with 40 CFR Part 763.

Assessment Codes based on 40 CFR Part 763: 1. Damaged or significantly damaged thermal system insulation ACM; 2. Damaged friable surfacing ACM; 3. Significantly damaged friable surfacing ACM; 4. Damaged or significantly damaged friable miscellaneous ACM; 5. ACBM with potential for damage; 6. ACBM with potential for significant damage; 7. Any remaining ACM. "NF" means nonfriable, and assessments are not required. MNO means material not observed. Please reference AHERA and the school management plan for discussion on assessment codes.

Response Codes: 1. Manage ACBM in accordance with Management Plan; 2. Conduct repairs and cleaning; 3. Conduct removal and cleaning; 4. Material suspect and requires further testing; 5. ACBM has been removed and may be removed from listings; 6. ACBM was not observed and further review is required. See further discussion and requirements in report.

Scheduling: For general O&M management of ACBM recommendations, the beginning start date was the inception of the management plan and the completion shall be until removal of all materials or sampling and analysis proved material is non-ACBM unless otherwise specified in the notes/scheduling column. O&M cleaning of surfaces in locations with friable ACBM or damaged ACBM shall start February 1 and be completed by April 1, 2022. For Code 2 repairs and cleaning, work shall begin immediately and shall be completed by June 30, 2022 scheduling.

Amesbury School District: 3-Year AHERA Reinspection 2021

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Cashman Elementary School								
Ground floor								
Cafeteria	12" Floor tile and mastic	2,000 sq. ft	Misc.	No	Fair	NF	1	Several locations within the room was observed to be lifting, cracking and delaminating and floor tiles were also cracking along the expansion joint. Repair broken floor tile. Replacement floor tile were present throughout the room. . O&M or removal records not available for this area at the time of the inspection.
Throughout	Please note other suspect materials are present and further review is required. However, client is trying to obtain a statement for the architect/engineer for the renovations of the school. If the statement cannot be obtained, in initial survey must be performed in the remaining areas of the school.						4	Possible inaccessible ACBM also.

Category: MISC is miscellaneous material; TSI is thermal system insulation; SURF is surfacing material. Categorized in accordance with 40 CFR Part 763.

Assessment Codes based on 40 CFR Part 763: 1. Damaged or significantly damaged thermal system insulation ACM; 2. Damaged friable surfacing ACM; 3. Significantly damaged friable surfacing ACM; 4. Damaged or significantly damaged friable miscellaneous ACM; 5. ACBM with potential for damage; 6. ACBM with potential for significant damage; 7. Any remaining ACM. "NF" means nonfriable, and assessments are not required. MNO means material not observed. Please reference AHERA and the school management plan for discussion on

Response Codes: 1. Manage ACBM in accordance with Management Plan; 2. Conduct repairs and cleaning; 3. Conduct removal and cleaning; 4. Material suspect and requires further testing; 5. ACBM has been removed and may be removed from listings; 6. ACBM was not observed and further review is required. See further discussion and requirements in report.

Scheduling: For general O&M management of ACBM recommendations, the beginning start date was the inception of the management plan and the completion shall be until removal of all materials or sampling and analysis proved material is non-ACBM unless otherwise specified in the notes/scheduling column. O&M cleaning of surfaces in locations with friable ACBM or damaged ACBM shall start February 1 and be completed by April 1, 2022. For Code 2 repairs and cleaning, work shall begin immediately and shall be completed by June 30, 2022.

APPENDIX B

AHERA Management Plan – 2021 Update Recommendations

The following comments and recommendations should be reviewed in conjunction with the findings and discussions contained in the text of the report, attachments, the school's 1989 initial AHERA Report and Management Plan, and the federal standard 40 CFR Part 763. In particular, the existing Operations and Maintenance program should be referenced for additional work methods, minimum requirements and procedures, and safety and health.

Documentation review during the reinspection consisted of only those specific documents which list ACBM and were provided by the school for RPF to review. A full review or audit of the AHERA Plans for each building (including abatement records), other record-keeping requirements, or AHERA implementation records was not completed as part of this service. Except as otherwise noted, the reinspection work only included ACBM's identified in the inspection report provided to RPF by the school. During the reinspection and initial inspections, abatement documentation and other record-keeping items were not completely reviewed or audited for accuracy and completeness. This type of review was beyond the scope of services for the project.

A full inspection (for confirmation of previous inspection results) was also not completed during this project. In the event that other readily accessible suspect materials were observed by the inspector during the course of the reinspection (materials that may have been missed during the initial inspection or may require confirmation testing), the inspector provided preliminary notation on the reinspection reports to make the school aware that additional inspection or review may be required. Based on the RPF preliminary review of the records provided to RPF, it is RPF's opinion that the AHERA Plans may not address all of the possible ACBM present. However, in accordance with AHERA reinspection requirements, the inspector did not conduct full initial inspection during the course of the reinspection work.

Asbestos Program Manager

The school must maintain a current true and correct statement, signed by the individual designated by the school (the Asbestos Program Manager) that certifies that the general, local education agency responsibilities, as stipulated by the AHERA regulation, have been met or will be met. It is important to update this as personnel changes occur and that a copy is maintained with the current Management Plan documentation. The Asbestos Program Manager must be sure to receive and maintain adequate training and to obtain and file all necessary recordkeeping requirements pursuant to AHERA and the Management Plan, including but not limited to: training, reinspections, surveillance, O&M activity, abatement design and final reports, annual notifications, and other related asbestos management information and documentation.

Resources

Below is an estimated cost for various training and requirements of the AHERA management plan with reasonable cost assumptions over the next three years:

Task/Description	Estimated Costs
Annual 2-hour Awareness Training	$500-$750
O&M Initial Training - up to 5	$1,600-$1,800
O&M Refresher Training	$750-$950
6-month Periodic Surveillance (if outsourced and not performed by the trained in-house staff)	$600-$800
3-year AHERA Reinspection 2021	$1,500-$1,800
Additional Inspection, Lab Work, Updates	$4,500-$6,500

In addition, it is anticipated that some of the repair and cleaning work (small-scale and of short duration) that is recommended will be completed by in-house O&M level trained facilities staff, in accordance with the school's existing O&M Program and AHERA requirements. As such, the incremental increase in cost will likely be approximately $1,500 for various materials and disposal.

Preliminary estimated cost ranges for abatement project design, oversight and air monitoring, clearance testing, and removal and disposal of all the known ACBM at each school building is as follows:

Cashman Elementary School:
Amesbury Elementary School:
Amesbury Innovation Academy:

Estimated costs for the removal and repairs as listed on the enclosed tables could range from $6,500 to $10,500 to complete the abatement work using licensed contractors.

3-Year Reinspection

The school must continue to have a reinspection completed by a licensed inspector and management planner at least once during every three-year period from the inception of the Management Plan.

6-Month Surveillance

The school must continue to have periodic surveillance of all ACBM at least every 6-months, by either an adequately trained O&M level staff member or an outside licensed inspector.

Maintenance and Custodial Staff Training

The school shall ensure that all custodial and maintenance employees are properly trained in accordance with AHERA and other applicable rules and regulations

2 Hour Awareness: All janitorial, custodial and maintenance staff shall have a minimum of 2-hour asbestos awareness training upon hiring and each year

O&M Level Training: Maintenance staff who may come in contact or who may disturb asbestos shall have a minimum of 16-hours of training upon hire and annual refresher training per State and EPA/OSHA requirements.

O&M Level Activity

The school must continue to ensure that all appropriate procedures are taken to protect building occupants for any O&M activity undertaken, including but not limited to:

- Restrict entry into the area by persons other than those necessary to perform the maintenance project, either by physically isolating the area or by scheduling.
- Post signs to prevent entry by unauthorized persons.
- Shut off or temporarily modify the air-handling system and restrict other sources of air movement.
- Use work practices or other controls, such as wet methods, protective clothing, HEPA-vacuums, mini-enclosures, and glove bags, as necessary to inhibit the spread of any released fibers.
- Clean all fixtures or other components in the immediate work area.
- Place the asbestos debris and other cleaning materials in a sealed, leak-tight container for proper disposal at a permitted site.

O&M activity is typically limited to small-scale, short duration work where the primary intent is building maintenance, repair, or renovation where the removal of ACBM is not the primary goal of the job; and the amount of ACBM to be disturbed or repaired is less than 3 linear or 3 square feet. Larger projects or activity cannot be broken up or scheduled in groups to minimize the quantity of ACBM for the purposes of classifying work as small-scale, short duration O&M activity.

Worker Protection

The school must comply with either the OSHA Asbestos Construction Standard at 29 CFR 1926.1101 (or for public employees the Asbestos Worker Protection Rule at 40 CFR 763.120) including proper training, personal protective equipment, respiratory protection programs, medical surveillance, proper equipment and engineering controls, and other relevant work and safety requirements.

General O&M Cleaning

Cleaning should be completed through each entire room marked (or as otherwise indicated on the attached room-by-room inventory) as having damaged ACBM or friable

ACBM present, as stated in AHERA, on a semi-annual basis.

(i) HEPA-vacuum or steam-clean all carpets.

(ii) HEPA-vacuum or wet-clean all other floors and all other horizontal surfaces.

(iii) Dispose of all debris, filters, mop heads, and cloths in sealed, leak-tight containers

Fiber Release Episodes

In the event of the falling or dislodging of small amounts, less than 3 square or 3 linear feet of ACBM, ensure the following is completed by O&M level trained, qualified staff:

- Immediately restrict access and thoroughly saturate the debris using wet methods.
- Clean the area using appropriate O&M level methods.
- Place the asbestos debris in a sealed, leak-tight container for proper disposal
- Repair the area of damaged ACBM as applicable according to the AHERA rule.

In the event of the falling or dislodging of more than 3 square or 3 linear feet of ACBM:

- Immediately restrict entry to the area and post signs to prevent entry into the area by persons other than those necessary to perform the response action.
- Shut off or temporarily modify the air-handling system to prevent the distribution of fibers to other areas in the building.
- Contact the school's outside consultant for assistance with testing and design of the appropriate response action. Use the design plan to obtain pricing from qualified abatement contractors to complete the response action.

Other Specific ACBM Updates

Flooring and Mastic

The floor tile and mastic present throughout the schools is nonfriable ACBM with the potential for damage. No immediate response action is required, as these materials can safely be managed in place. The materials were in good condition with some minor wear and tear observed. Care should be used not to disturb the underlying flooring (i.e., drilling or cutting holes for electrical/plumbing work). Regarding the flooring that is not covered with carpeting and/or newer 12" floor tile, care should be taken to avoid activities which will abrade the surface of the floor tile. Buffing, stripping, and other flooring maintenance activity should be completed in accordance with the most current guidelines for ACBM flooring. High speed buffing or use of abrasive pads must not be conducted on the ACBM floors. (References the Draft EPA Region I Guidance Document enclosed herein.)

The flooring ACBM must be managed properly in accordance with AHERA and this management plan until they are completely removed.

Flooring mastic, along with any floor tile or linoleum that is, was, or may have been assumed to be ACBM, should continue to be classified as ACBM and properly tested prior to any flooring removal work (as applicable). It should be noted that a recent EPA advisory statement recommends that flooring which was previously tested as asbestos-free be confirmed using electron microscopy prior to any removal or other activities that may results in the disturbance of the flooring.

Interior Window Glaze

The interior window glaze is present in Amesbury Elementary School and is nonfriable ACBM with the potential for damage.

The window glaze ACBM must be managed properly in accordance with AHERA and this management plan until they are completely removed.

Assumed ACBM

Based on the RPF preliminary review of the records provided to RPF, it is RPF's opinion that the AHERA Plans may not address all of the possible ACBM present. For example, although not directly regulated by AHERA, various exterior suspect materials are present, as well as possible interior hidden ACBM. Based on the types and conditions of the listed assumed ACBM in this school building, it is recommended that all the assumed nonfriable ACBM be managed in-place accordance with the requirements of AHERA and the operations and maintenance program.

Assumed ACBM that does not require any immediate response actions includes the following materials:

- Various floor tiles throughout the schools
- Sink basin undercoat
- Building seam caulk throughout the buildings
- Ceramic tile mastic and grout (various types) in bathrooms
- Chalkboard
- Various exterior materials.

The gypsum board with joint compound throughout the modular unit building also requires initial testing and is assumed ACBM. Care should be used not to disturb the materials during the interim including notification and facilities staff, faculty and others that may disturb the gypsum or joint compound materials.

The non-friable assumed ACBM listed above are classified under AHERA as ACBM with the potential for damage. However, it should be noted that nonfriable ACBM and nonfriable assumed ACBM can be rendered friable when, for example, they are subjected to certain forces such as cutting, grinding, sawing, sanding, drilling, high-speed buffing, and other abrasive forces. This is particularly true during demolition or removal of nonfriable ACBM.

Under normal building conditions, the assumed nonfriable ACBM does not pose an immediate hazard. The materials are in good to fair condition in general, with some minor wear and tear. Care should be taken to ensure that the chalkboards are not broken or chipped. The exterior roofing, caulking, and glazing materials should not be subjected to grinding, cutting, abrasion, or other forces which would result in the production of dust.

The assumed nonfriable ACBM must be managed properly in accordance with AHERA and this management plan until they are completely removed. In the event that any renovation work or other construction, repairs or maintenance is to be completed, then the APM must review the work to determine that the ACBM will not be impacted, either directly or indirectly. If there exists a possibility that the ACBM may be disturbed, then an accredited project designer/management planner should review the project and prepare abatement specification as required.

Testing of the interior, accessible assumed ACBM should be completed as soon as feasible by a licensed inspector and the management plan be updated accordingly by a licensed management planner.

Exterior Suspected ACBM

Exterior ACBM (in many cases) is not directly regulated by AHERA but are regulated by other State and federal regulations. Prior to any disturbance, renovation, or demolition, a licensed inspector must inspect for and sample any suspect exterior ACBM to be impacted or disturbed. If ACBM is found, a licensed project designer should prepare abatement plans as needed to facilitate work.

Warning Labels

The schools must ensure warning labels are and continue to be immediately adjacent to any friable and nonfriable ACBM, suspected ACBM, and assumed to be ACM located in routine maintenance areas (such as boiler rooms, mechanical space and maintenance areas) at each school building. The warning label must read (in print which is readily visible because of large size or bright color) as follows: CAUTION: ASBESTOS. HAZARDOUS. DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT.

AHERA Management Plan – 2021 Update Recommendations

Asbestos Abatement Activity

Asbestos response actions, as defined by AHERA, must be detailed in a specification (project design) prepared by a licensed asbestos abatement project designer in accordance with AHERA and State regulations. Licensed personnel/contractors must carry out the response actions. Abatement activity itself is beyond the scope of the management plan/O&M program.

New Construction, Additions and Renovated Space

For any new buildings or renovated space, obtain architectural/engineering (A/E) statements for new construction/renovation areas in accordance with AHERA, certifying that no asbestos was specified or used. In lieu of A/E statements, all newly installed buildings materials must be tested pursuant to the AHERA inspection requirements.

Prior to any renovation or demolition activity, additional inspection and testing by a licensed inspector is required to satisfy current state, EPA and OSHA requirements that may exceed the inspection requirements under AHERA and the existing inspection documentation for the school buildings.

In the event that any renovation work or other construction, repairs or maintenance is to be completed, then the APM must review the work to determine that the ACBM will not be impacted, either directly or indirectly. If there exists a potential that the ACBM may be disturbed, then an accredited project designer/management planner should review the project and prepare abatement specification as required. Only properly accredited and licensed personnel should complete the work.

Conflict of Interest

Pursuant to the EPA AHERA requirements and industry standards, abatement contractors should be engaged for inspection, testing, lab work, design or oversight, and clearance testing services. These services must be performed by qualified, certified firms completely independent of any abatement contractors used to complete work for the school.

**Note: Also reference the 2021 Reinspection Report for additional comments and recommendations.*

OSHA Asbestos Flooring Maintenance Information

OSHA ASBESTOS FLOORING MAINTENANCE SECTION

1926.1101(l)(3) Care of asbestos-containing flooring material.

1926.1101(l)(3)(i)

All vinyl and asphalt flooring material shall be maintained in accordance with this paragraph unless the building/facility owner demonstrates, pursuant to paragraph (g)(8)(i)(I) of this section that the flooring does not contain asbestos.

1926.1101(l)(3)(ii)

Sanding of flooring material is prohibited.

1926.1101(l)(3)(iii)

Stripping of finishes shall be conducted using low abrasion pads at speeds lower than 300 rpm and wet methods.

1926.1101(l)(3)(iv)

Burnishing or dry buffing may be performed only on flooring which has sufficient finish so that the pad cannot contact the flooring material.

..1926.1101(l)(4)

1926.1101(l)(4)

Waste and debris and accompanying dust in an area containing accessible thermal system insulation or surfacing ACM/PACM or visibly deteriorated ACM:

1926.1101(l)(4)(i)

shall not be dusted or swept dry, or vacuumed without using a HEPA filter;

1926.1101(l)(4)(ii)

shall be promptly cleaned up and disposed of in leak tight containers.

OSHA Standards Interpretation and Compliance Letters

11/05/1999 - Questions regarding the cleaning of asbestos-containing floor tile.

OSHA Standard Interpretation and Compliance Letters - Table of Contents

Interpretation **:Record Type**
(l)(3)1926.1101;(k)(7)1910.1001 **:Standard Number**
Questions regarding the cleaning of asbestos-containing **:Subject**
.floor tile
11/05/1999 **:Information Date**

November 5, 1999

William A. Onderick, President
RFM Inc.
1008 Dogwood Lane
West Chester, Pennsylvania 19382

Dear Mr. Onderick:

Thank you for your July 27 letter regarding the cleaning of asbestos-containing floor tile. You wish clarification of the provisions in the Occupational Safety and Health Administration (OSHA) asbestos standards which regulate this activity. Your questions and our answers are provided below.

:Question 1

> Are we correct that asbestos floor tile **cleaning** activities (normal maintenance such as stripping and buffing operations) are covered under both the Asbestos General Industry Standard (§1910.1001) and the Asbestos Construction Standard (§1926.1101)?

:Answer

control methods for only Class I or II asbestos work. The fact that the asbestos PELs are not exceeded when the floor stripping uses low abrasion pads at speeds greater than 300 revolutions per minute (rpm) is not a sufficient condition to warrant the receipt of a variance permitting such use. In order to receive a variance, the employer must have implemented some means of maintaining asbestos aerosol levels in the employees' breathing zones at levels equal to or less than the levels occurring at speeds lower than 300 rpm.

:Question 4

While the Construction Standard discusses submitting alternative work procedures, the General Industry Standard does not. How does one handle an alternative work procedure regarding the General Industry Standard?

:Answer

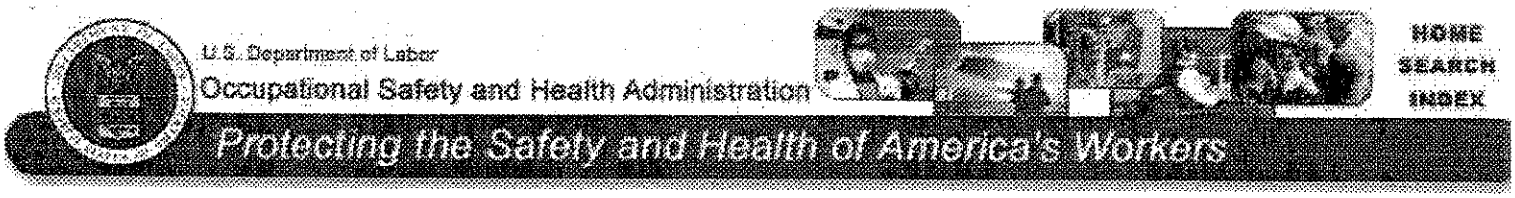
As we noted in our reply to your third question, the Construction Asbestos Standard makes allowances for alternative control methods for only Class I or II asbestos work. Therefore, whether the stripping or buffing of asbestos-containing flooring material is covered by the Construction Asbestos Standard or the General Industry Asbestos Standard, the employer who wishes to use alternative stripping or buffing procedures must seek a permanent variance.

Thank you for your interest in occupational safety and health. We hope you find this information helpful. Please be aware that OSHA's enforcement guidance is subject to periodic review and clarification, amplification, or correction. Such guidance could also be affected by subsequent rulemaking. In the future, should you wish to verify that the guidance provided herein remains current, you may consult OSHA's website at http://www.osha.gov. If you have any further questions, please feel free to contact OSHA's Office of Health Compliance Assistance at (202) 693-2190.

Sincerely,

Richard E. Fairfax, Director
Directorate of Compliance Programs

OSHA Standard Interpretation and Compliance Letters - Table of Contents



[Text Only]

Standard Interpretations
02/09/2000 - Use of electric floor buffer with rotating blade attachment to remove asbestos-containing mastic.

Standard Interpretations - Table of Contents

- **Standard Number:** 1926.1101(g)(8); 1926.1101(b)

OSHA requirements are set by statute, standards and regulations. Our interpretation letters explain these requirements and how they apply to particular circumstances, but they cannot create additional employer obligations. This letter constitutes OSHA's interpretation of the requirements discussed. Note that our enforcement guidance may be affected by changes to OSHA rules. Also, from time to time we update our guidance in response to new information. To keep apprised of such developments, you can consult OSHA's website at http://www.osha.gov.

February 9, 2000

Ms. Paula K. Smith
Attorney for Utah OSHA
State of Utah
Labor Commission
Office of General Counsel
160 East 300 South, 3rd Floor
P.O. Box 146600
Salt Lake City, Utah 84114-6600

Dear Ms. Smith:

Thank you for your December 14, 1999 letter to the Occupational Safety and Health Administration's (OSHA's) Directorate of Compliance Programs (DCP). We are providing you with interpretations of the Construction Asbestos Standard, 29 CFR 1926.1101, based on the specific situation you describe pertaining to floor tile and associated mastic removal.

Scenario: You describe an employer in Utah who was using an electric floor buffer with a rotating blade attachment to remove asbestos-containing mastic without first erecting a negative pressure enclosure (NPE) in which to perform the work. The employer in this scenario had wetted the floor. Utah OSHA (UOSH) believes the floor buffer was a

United States
Environmental Protection
Agency

National Risk Management
Research Laboratory
Cincinnati, OH 45268

Research and Development

EPA/600/SR-95/121 August 1995

EPA

Project Summary

Airborne Asbestos Concentrations During Buffing, Burnishing, and Stripping of Resilient Floor Tile

John R. Kominsky, Ronald W. Freyberg, and James M. Boiano

This study was conducted to evaluate airborne asbestos concentrations during low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile under pre-existing and prepared levels of floor care maintenance. Airborne asbestos concentrations were measured before and during each floor-care procedure to determine the magnitude of the increase in airborne asbestos levels during each procedure. Airborne total fiber concentrations were also measured for comparison with the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) of 0.1 f/cm^3, 8-hr. time-weighted average (TWA). Low-speed spray-buffing and wet-stripping were evaluated on pre-existing floor conditions and three levels of prepared floor-care conditions (poor, medium, and good). Ultra high-speed burnishing and wet-stripping were evaluated on two levels of prepared floor-care conditions (poor and good). All of the computed 8-hr. TWA personal sample results were below the OSHA PEL. It is noted that the floor tile in this study was of low asbestos content and in good condition, hence it is conceivable that floor tile with higher percentages of asbestos could result in higher levels of airborne asbestos during routine floor care maintenance activities. TEM analysis showed higher exposures to fibers predominantly less than 5 µm in length, whereas these shorter fibers were not counted by PCM.

This study shows that low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile can be sources of airborne asbestos in building air. The results suggest that multiple layers of sealant applied to the floor prior to the application of the floor finish can reduce the release of asbestos fibers during polish removal. The results of this study further support the U.S. EPA Recommended Interim Guidance for Maintenance of Asbestos-Containing Floor Coverings.

This Project Summary was developed by EPA's National Risk Management Research Laboratory, Cincinnati, OH, to announce key findings of the research project that is fully documented in a separate report of the same title (see Project Report ordering information at back).

Introduction

Three principal types of preventive maintenance are routinely performed on resilient floor tile: spray-buffing, ultra high-speed burnishing, and wet-stripping followed by refinishing. Spray-buffing is the restorative maintenance of a previously polished floor by use of a floor-polishing machine (operating at 175 to 1000 rpm) immediately after the surface has been mist-sprayed with a restorative product whereby the floor is buffed to dryness. Ultra high-speed burnishing is the buffing of a previously polished floor by using a floor polishing machine (operating at greater than 1500 rpm) without using a

restorative spray product. Wet-stripping is the removal of the finish from the floor using a chemical floor-polish stripper and a 175 rpm floor machine equipped with an appropriate strip pad. This current study was conducted to evaluate airborne asbestos concentrations during low-speed spray-buffing, ultra high-speed burnishing, and wet-stripping of asbestos-containing resilient floor tile under pre-existing and prepared levels of floor care maintenance.

Objectives

The objectives of the study were as follows:

- To determine the airborne asbestos concentrations during low-speed spray-buffing of asbestos-containing resilient floor tile in pre-existing floor condition.
- To determine airborne asbestos concentrations during polish removal from asbestos-containing resilient floor tile in pre-existing floor condition.
- To determine and compare the airborne asbestos concentrations during low-speed spray-buffing of asbestos-containing resilient floor tile in poor, medium, and good floor conditions.
- To determine and compare airborne asbestos concentrations during polish removal after low-speed spray-buffing of asbestos-containing resilient floor tile in medium and good conditions using a manual floor machine.
- To determine and compare the airborne asbestos concentrations during ultra high-speed burnishing of asbestos-containing resilient floor tile in poor and good floor conditions.
- To determine and compare the airborne asbestos concentrations during polish removal after ultra high-speed burnishing of asbestos-containing resilient floor tile in poor and good floor conditions using an automated floor machine.
- To determine whether personal breathing zone concentrations during low-speed spray-buffing of floors in pre-existing, poor, medium, and good conditions exceed the OSHA Permissible Exposure Limit (PEL) of 0.1 f/cm^3, 8-hr. Time-Weighted Average (TWA).
- To determine whether personal breathing zone concentrations during ultra high-speed burnishing of floors in poor and good conditions exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.
- To determine whether personal breathing zone concentrations during polish removal after low-speed spray-buffing of floors in pre-existing, poor, medium, and good condition exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.
- To determine whether personal breathing zone concentrations during polish removal after ultra high-speed burnishing of floors in poor and good conditions exceed the OSHA PEL of 0.1 f/cm^3, 8-hr. TWA.

Site Description

This study was conducted in an unoccupied building located at the decommissioned Chanute Air Force Base (AFB) in Rantoul, IL. The study was conducted in a room which contained approximately 8600 ft^2 of open floor space tiled with 9-inch by 9-in. resilient floor tile containing approximately 5% chrysotile asbestos. Representatives of the Chemical Specialties Manufacturers Association (CSMA) and a floor products manufacturer visually inspected the physical condition of the floor. Their inspection focused on the evenness of the floor plane and the physical condition of the tile. They concluded that the floor was acceptable for the proposed study.

Configuration for Low-speed Spray-buffing and Wet-stripping Experiments

Approximately 6500 ft^2 of floor space was isolated as the experimental test area. A containment shell was constructed from 2-in. by 4-in. and 2-in. by 6-in. lumber to provide five equally-dimensioned test rooms, each with approximately 1300 ft^2 of floor space and 7-ft ceiling height. The containment shell was then surfaced with 6-mil polyethylene sheeting to provide airtight walls and ceilings for the five test rooms. The ceiling for each test room consisted of a single layer of polyethylene sheeting. The walls of each test room were surfaced with seven layers of polyethylene sheeting. Four high-efficiency particulate air (HEPA) filtration units were placed in the hallway outside of the five test rooms to ventilate the test rooms and reduce the airborne asbestos concentrations to background levels after each experiment.

Configuration for Ultra High-Speed Burnishing and Wet-Stripping Experiments

Upon completion of the low-speed spray-buffing and wet-stripping experiments, the test area was reconfigured to accommodate the ultra high-speed burnishing and wet-stripping experiments. The test area was reconfigured to provide a single test room of approximately 6500 ft^2 of floor space and 7-ft. ceiling height. The ceiling for the test room consisted of a single layer of polyethylene sheeting. The walls were surfaced with eight layers of polyethylene sheeting. Three HEPA filtration units were placed in the hallway outside of the test room to ventilate the test room and reduce the airborne asbestos concentrations to background levels after each experiment. The units were operated during the preparation phase of each experiment but not during the actual burnishing or wet-stripping experiments. All three HEPA units discharged the air outdoors via 12-in. diameter flexible ducting. Fresh air into the test room was obtained directly from outdoors through windows.

Experimental Design

Low-Speed Spray-Buffing and Wet-Stripping

Pre-existing Conditions

Low-speed spray-buffing was first evaluated on the pre-existing floor-care condition. Pre-existing condition was the condition of the floor as it existed in the room prior to evaluating the prepared floor-care conditions. Pre-existing floor conditions consisted of an undetermined number of coats of a Carnauba-type, buffable polish on the floor tile. Low-speed spray-buffing of the pre-existing floor-care condition was evaluated five times, once in each of the five test rooms. Wet-stripping (including polish and sealant removal) was also evaluated on the pre-existing floor-care condition. Wet-stripping of the pre-existing floor-care condition was evaluated five times, once in each of the five test rooms.

Prepared Floor Care Conditions

Low-speed spray-buffing was evaluated on three levels of prepared floor-care conditions: 1) poor floor-care condition, 2) medium floor-care condition, and 3) good floor-care condition. Poor floor-care condition was defined as a floor with one coat of sealant and one coat of polish. Medium floor-care condition was defined as a floor with one coat of sealant and two coats of polish. Good floor-care condition was defined as a floor with two coats of sealant and three coats of polish. Floor-care conditions were defined in consultation with the CSMA and other representatives of floor-care products manufacturers. Each floor-care condition was evaluated five times, once in each of the five test rooms, to yield a total of 15 experiments.

Wet-stripping after low-speed spray-buffing was evaluated on two levels of floor-

dure had a statistically significant effect on airborne asbestos concentrations measured during the procedure (p=0.0128). Specifically, larger increases in airborne asbestos concentrations were observed during wet-stripping than during spray-buffing. The estimated airborne asbestos concentrations during spray-buffing and wet-stripping as a proportion of the respective baseline concentrations were calculated along with the corresponding 95% confidence interval. The average airborne asbestos concentration measured during low-speed spray-buffing was approximately 11 times greater than the average baseline concentration. The 95% confidence interval for this proportion is (2.6, 47). The lower 95% confidence limit is greater than 1, which indicates this is a statistically significant increase. The average airborne asbestos concentration measured during wet-stripping was approximately 186 times greater than baseline concentrations. The 95% confidence interval for this proportion is (44, 788). The lower 95% confidence limit is greater than 1, which indicates this is a statistically significant increase.

PCM Concentrations

Two personal breathing zone samples were collected during each experiment and analyzed by PCM. None of the individual PCM concentrations exceeded the OSHA PEL of 0.1 f/cm^3. The highest individual PCM concentration (0.023 f/cm^3) was measured during wet-stripping. The 8-hr TWA concentrations associated with the measured levels were calculated by assuming zero exposure beyond that which was measured during the experiment. The 8-hr TWA concentrations ranged from 0.001 to 0.003 f/cm^3 during low-speed spray-buffing and from 0.0003 to 0.003 f/cm^3 during wet-stripping of floors in pre-existing condition. None of the 8-hr TWA concentrations exceeded the OSHA PEL of 0.1 f/cm^3.

Although the results of the personal breathing zone samples analyzed by PCM were all below the OSHA PEL, considerably higher exposures were shown by the personal breathing zone samples analyzed by TEM. Two primary reasons explain why the TEM concentrations were considerably higher than the PCM concentrations. First, PCM cannot detect fibers thinner than 0.25 µm in width. Second, the PCM method used in this study (i.e., NIOSH 7400) does not count fibers shorter than 5 µm in length. Over 99% of the asbestos structures measured during low-speed spray-buffing and wet-stripping of floors in pre-existing condition were shorter than 5 µm in length and would therefore not be counted by the PCM method.

Caution should be exercised in extrapolating the PCM measurements collected during this study to conditions at other sites. These tile were of low asbestos content and in good condition, and no other asbestos exposure activity was assumed.

Prepared Floor Conditions

TEM Concentrations

Figure 1 illustrates the overall average (geometric mean) concentrations measured before and during low-speed spray-buffing and wet-stripping on floors in prepared floor conditions. Although the mean relative increase in airborne asbestos concentrations during low-speed spray-buffing tended to decrease as the floor care condition improved (i.e., poor condition resulted in a larger relative increase than medium, and medium condition showed a larger relative increase than good), the differences between the three levels of floor care were not statistically significant (p=0.1149). Overall, the average airborne asbestos concentration during low-speed spray-buffing was approximately 2.6 times higher than the average baseline concentration. This increase was statistically significant (p=0.0017). A 95% confidence interval for the mean airborne asbestos concentration during spray-buffing as a proportion of the baseline concentration showed that the overall mean airborne asbestos con-

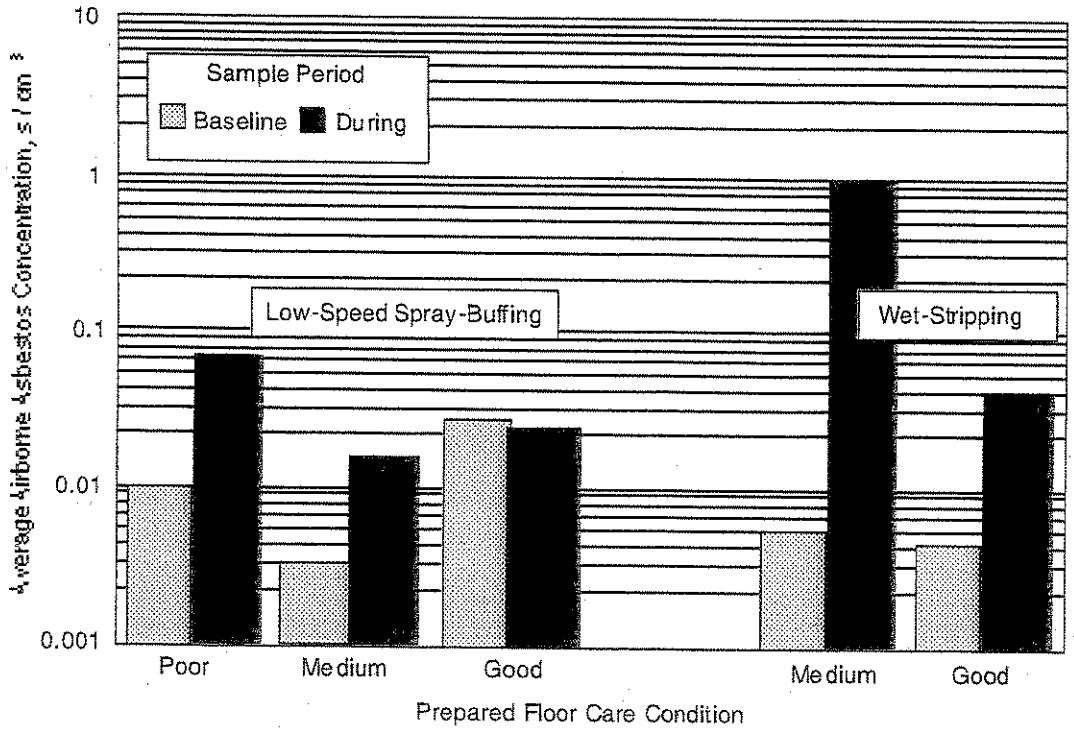


Figure 1. Average airborne asbestos concentrations during low-speed spraying of floors in prepared conditions.

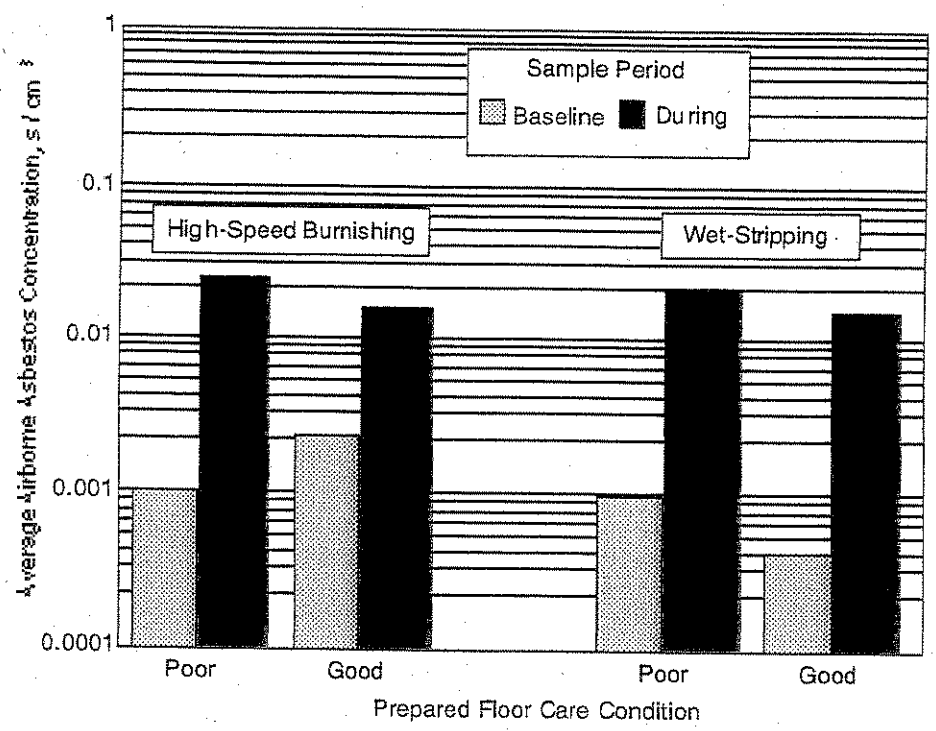


Figure 2. Average airborne asbestos concentrations measured before and during ultra high-speed burnishing and wet-stripping of floors in prepared conditions.

TWA concentrations measured during wet-stripping (after ultra high-speed burnishing) exceeded the OSHA PEL of 0.1 f/cm³ for total fibers, all of the 8-hr TWA concentrations measured during ultra high-speed burnishing exceeded the OSHA PEL. These exceedances, however, were due to the excess nonasbestos-containing particulate generated during the burnishing process and not to elevated airborne asbestos particles.

Conclusions

The following are the principal conclusions reached during this study:

1) Larger increases in airborne asbestos concentrations were observed during wet-stripping than during low-speed spray-buffing of floors in pre-existing condition. The average airborne asbestos concentration measured during low-speed spray-buffing was approximately 11 times greater than the average baseline concentration. The average airborne asbestos concentration measured during wet-stripping was approximately 186 times greater than the respective average baseline concentration. In both cases, the increases in airborne asbestos concentrations were statistically significant.

2) The average airborne asbestos concentration measured during low-speed spray-buffing of floors in the three levels of prepared floor-care conditions (poor, medium, and good) was approximately 2.6 times higher than the average baseline concentration. This increase was statistically significant.

3) The level of prepared floor care did not significantly affect the airborne asbestos concentrations measured during low-speed spray-buffing. Although the average increase in airborne asbestos concentrations tended to decrease as the level of floor care improved, the differences due to the three levels of floor care were not statistically significant.

4) Wet-stripping of floors in medium and good condition (after low-speed spray-buffing) resulted in statistically significant increases in airborne asbestos concentrations. The average airborne asbestos concentration measured during wet-stripping of floors in medium condition was approximately 108 times higher than the average baseline concentration, whereas the average airborne asbestos concentration measured during wet-stripping of floors in good condition was approximately 8.0 times higher than the average baseline concentration. The increase was statistically significant for both floor-care conditions.

5) A second layer of sealant appears to significantly decrease airborne asbestos levels during wet-stripping (after low-speed spray buffing). Larger increases in airborne asbestos concentrations were observed during wet-stripping of floors in medium condition than on floors in good condition. The average increase (relative to baseline measurements) in airborne asbestos concentration during wet-stripping of floors in medium condi-

John R. Kominsky, Ronald W. Freyberg, and James M. Boiano are with Environmental Quality Management, Inc., Cincinnati, OH 45240
***Alva Edwards** is the Technical Project Officer (see below) and*
***Thomas Sharp** is the EPA Project Officer*
The complete report, entitled "Airborne Asbestos Concentrations During Buffing, Burnishing, and Stripping of Resilient Floor Tile," (Order No. PB95-260212; Cost: $27.00, subject to change) will be available only from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Telephone: 703-487-4650

The EPA Technical Project Officer can be contacted at:
National Risk Management Research Laboratory
U.S. Environmental Protection Agency
Cincinnati, OH 45268

United States
Environmental Protection Agency
Technology Transfer and Support Division (CERI)
Cincinnati, OH 45268

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EPA
PERMIT No. G-35

machine speeds and the release of asbestos particles from asbestos containin floor coverings. The higher the machine speed the greater the probability o asbestos fiber release.

5. When stripping floors becomes necessary, the machine used for stripping th finish should be equipped with the least abrasive pad as possible, a black pa being the most abrasive and the white pad the least abrasive. Consult with you floor tile and floor finish product manufacturer for recommendations on whic pad to use on a particular floor covering. Incorporate the manufacturer recommendations into your floor maintenance work procedures.

6. Do not operate a floor machine with an abrasive pad on unwaxed or unfinishe floor containing-asbestos materials.

Finishing of Vinyl Asbestos Floor Coverings

1. Prior to applying a finish coat to a vinyl asbestos floor covering, appl 2 to 3 coats of sealer. Continue to finish the floor with a high percent soli finish.

It is an industry recommendation to apply several thin coats of a high percen solid finish to obtain a good sealing of the floor's surface, thereby minimizin the release of asbestos particles from the floor's surface.

2. If spray-buffing of floors is used, always operate the floor machine at th lowest rates of speed possible and equip the floor machine with the leas abrasive pad as possible. A recent USEPA study indicated that spray-buffing wit high-speed floor machines resulted in significantly higher airborne asbesto concentrations than spray-buffing with low speed machines.

3. When dry-burnishing of floors is used, always operate the floor machine a the lowest rate of speed possible to accomplish the task (i.e., 1200-1750 rpms) and equip the floor machine with the least abrasive pad as possible.

4. After stripping a floor and applying a new coat of sealer and finish, us a wet mop for routine cleaning whenever possible. When dry mopping, a petroleum-based mop treatment is not recommended for use.

5. During the winter months where sanding and/or salting of icy parking lot becomes necessary, it is an industry recommendation that a 16-24 ft. matting b used at the entrance way to the school building and where feasible inside th doorway. This would significantly eliminate the scuffing of floors by abrasiv sanding materials brought into the building on the shoes of students. Also mor frequent wet mopping and dry mopping of floors should be performed during th winter months to minimize damage to the floors.

6. Custodial and maintenance personnel responsible for daily VAT maintenanc should be limited to maintaining VAT floors totaling no more than 15,000-25,00 square feet per person/8-hour day, depending on conditions and othe responsibilities of the custodial and maintenance personnel.

DEFINITIONS

1. VAT: Vinyl Asbestos Tile.

2. Non-Friable: Any Asbestos Containing Material that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

3. Spray Buffing or Burnishing: The act of buffing or burnishing a floor finish while using a polishing or rejuvenating liquid. This liquid is sprayed on the floor in front of the buffer or burnisher a small area at a time. The floor machine is then used to polish the floor with this liquid. As a rule, polishes only polish while rejuvenaters help fill in minute scratches while polishing. Some of these products contain cleaners to help remove soiling on lightly soiled floors. How often these procedures are performed depends on many factors, such as, floor finish, traffic, machinery used, etc.

4. Dry Burnishing: The act of burnishing (high speed polishing) without any polishers, rejuvenaters or cleaners. Just the burnishing machine and the proper pad. This procedure hardens the finish and brings out the shine. Burnishing is performed using what is called a high speed burnisher or buffer. Simply put, this machine is a standard floor machine with an additional set of wheels for stability. These machines operate between 1,000 and 3,000 rpm. The faster the rpm, the faster and better the job can be performed.

5. Wet Scrubbing: A lightly abrasive (scrub) pad or brush is used on a 175-300 rpm floor machine to remove surface wear and dirt from the floor without removing all the floor finish. The floor is scrubbed with a neutral floor cleaner and water. This liquid is then removed with a mop or preferably with a wet vacuum. After rinsing, the floor is then re-coated with a compatible floor finish. The number of coats depends on the given situation and materials used.

6. Floor Stripping: When the floor finish has become heavily imbedded with soiling or discolored, it becomes necessary to totally remove (strip) the existing finish. This is accomplished by first applying a compatible floor finish remover or stripper. After the appropriate dwell time, the finish is liquified. The floor is then scrubbed using an abrasive pad or brush on a 175-300 rpm floor machine. The resulting liquid is then removed using a wet vacuum. These steps, in some cases, have to be repeated two or more times to assure the removal of all the existing finish. The floor is now rinsed as is appropriate with the products being used. The floor is now ready for finishing.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 25 1990

OFFICE OF
PESTICIDES AND TOXIC SUBSTANC

MEMORANDUM

SUBJECT: Recommended Interim Guidance for Maintenance of Asbestos-Containing Floor Coverings

FROM: Robert C. McNally, Chief
Assistance Programs Development Branch
Environmental Assistance Division (TS-799)

TO: Interested Parties

Attached are recommended interim guidelines for stripping wax or finish coat from asbestos-containing floors in your buildings. They were developed by the U.S. Environmental Protection Agency (EPA) in consultation with asbestos control professionals and several flooring material and floor care product manufacturers to reduce any possible exposure to asbestos fibers.

In November 1989, the local NBC affiliate in Washington, D.C. produced and aired a 3-part series on the potential danger of stripping asbestos-containing floor tiles. The NBC network news carried a brief portion of the series on November 29. The series concluded that stripping excess wax or finish coat from asbestos-containing floor tiles in schools may increase the asbestos exposure of school maintenance personnel and school children.

The series has precipitated numerous telephone calls to EPA Headquarters and to the ten EPA Regional offices. Perhaps many of you have also received calls from parents, staff, custodial workers, and others.

Since its airing, EPA's Environmental Assistance Division has tried to explain more clearly what the series did and did not demonstrate. First, there is no clear evidence that the "routine" stripping activities described in the series produced significantly elevated levels of asbestos fibers. In fact, the air levels generated during routine stripping were below those which require special procedures under federal regulation. Thus,

(continued on back)

APPENDIX C

STATE of NEW HAMPSHIRE
Department of Environmental Services
Asbestos Management & Control Program

ASBESTOS INSPECTOR

AI100394 R
KARA L FORSYTHE DOB: 10/19/1978

EFF. Date: 11/2/2021 EXP. Date: 11/1/2022

Air Resources Division Director
Craig A. Wright

Craig A. Wright

STATE of NEW HAMPSHIRE
Department of Environmental Services
Asbestos Management & Control Program

ASBESTOS MANAGEMENT PLANNER

AM100394 R
KARA L FORSYTHE DOB: 10/19/1978

EFF. Date: 11/2/2021 EXP. Date: 11/1/2022

Air Resources Division Director
Craig A. Wright

Craig A. Wright

RPF ENVIRONMENTAL, INC.

320 First NH Turnpike, Northwood, NH 03261 (603) 942-5432
Class Location: Northwood, NH

This is to certify that

Kara Forsythe

has completed the requisite training and
has passed an examination for accreditation as:

Asbestos Inspector - Annual Refresher
Pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

January 14, 2021
Course Date

January 14, 2021
Examination Date

January 14, 2022
Expiration Date

20.0288 - 06 – 10/19/78
Certificate Number/DOB

Dennis Francoeur, Jr. - Instructor

RPF ENVIRONMENTAL, INC.

320 First NH Turnpike, Northwood, NH 03261 (603) 942-5432
Class Located in Northwood, NH

This is to certify that

Kara Forsythe

has completed the requisite training and
has passed an examination for accreditation as:

Asbestos Management Planner - Annual Refresher
Pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

January 28, 2021
Course Date

January 28, 2021_
Examination Date

January 28, 2022
Expiration Date

21.0310 – 01 – 10/19/78
Certificate Number/DOB

Brianna Ham, Instructor

APPENDIX D

AHERA REINSPECTION METHODS & LIMITATIONS

Reinspection Methods

The reinspection was completed in accordance with Part 763.85 (b) of 40 CFR Part 763, Subpart E - Asbestos Hazard Emergency Response Act (AHERA). Accessible ACBM's which were identified in the existing AHERA reports were visually reinspected in accordance with AHERA, to (a) observe whether the materials are friable, (b) observe the conditions of the ACBM and potential for disturbance, and (c) to assess the hazard potential of the ACBM. Documentation review consisted of only those specific documents which list ACBM which were provided by the school to RPF for review. A full review or audit of the AHERA Plans for the building (including abatement records), other record keeping requirements, and AHERA implementation records were not completed as part of this service. Please note that this reinspection report is intended to comply with the federal regulation and the report should not be considered or referenced as a detailed, full initial AHERA room-by-room inspection. Please also reference the initial AHERA Inspection Report prepared for the building by RPF and subsequent update records. This reinspection does not meet the requirements for full inspections prior to renovation or demolition activity.

A full inspection (for confirmation of previous inspection results) was also not completed during this project. In the event that other readily accessible suspect materials were observed by the inspector during the course of the reinspections (materials that may have been missed during the initial inspection or may require confirmation testing), the inspector provided preliminary notation on the reinspection reports to make the school aware that additional inspection or review may be required. However, in accordance with the AHERA reinspection requirements, the inspector did not conduct full initial inspection during the course of the reinspection work.

Limitations

- This reinspection only included the school buildings designated in the RPF listing. If other buildings are used as school buildings in accordance with 40 CFR Part 763 and need to be reinspected, please notify our office to make necessary arrangements. This reinspection and report does not meet the requirements set forth by US EPA, OSHA, and State agencies for conducting full asbestos inspections prior to renovation or demolition.

- The observations and conclusions presented in the report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the Scope of Services as discussed in the proposal and text of the report. The conclusions and recommendations are based on visual observations and testing (which was limited as indicated in the report), and were arrived at in accordance with generally accepted standards of industrial hygiene practice and asbestos professionals. In addition and as applicable, where sample analyses were conducted by an outside laboratory, RPF has relied upon the data provided and has not conducted an independent evaluation of the reliability of this data.

- Observations were made of the designated accessible areas of the site as indicated in the report. While it was the intent of RPF to conduct a survey to the degree indicated, it is important to note that not all suspect ACBM material at the site(s) were specifically assessed. Visibility was limited, as indicated, due to the presence of furnishings, equipment, solid walls, and solid or suspended ceilings throughout the facility. Suspect material may have been used and may be present in areas where detection and assessment is difficult until renovation and/or demolition proceeds.

RPF Environmental, Inc. (RPF) conducted an asbestos reinspection for the Amesbury Public Schools on December 27, 2021, with EPA Asbestos Hazard Emergency Response Act (AHERA) requirement. The reinspection included a visual inspection of the areas known to contain asbestos-containing building materials (ACBM) and assumed ACBM, as stated in the AHERA inspection records provided to RPF for review.

In general, the ACBM inspected by RPF during this reinspection was observed to be in good to fair condition and the school should continue to manage the materials in accordance with the AHERA Management Plan and updated recommendations enclosed. However, it is important to note that RPF observed damaged friable ACBM pipe fitting insulation at the Amesbury Elementary School. In addition, at both Cashman Elementary and Amesbury Elementary School, loose and lifting floor tiles were observed, see further details in the room-by-room listings. The areas with damaged ACBM should be addressed as soon as feasible, and care must be used to prevent further disturbance and to avoid the creation of dust.

Buildings included in this reinspection included the Amesbury Elementary School and Cashman Elementary School. Records used to conduct the reinspection included the initial AHERA survey listings performed by Dennison in 1988, and the 2019 RPF 3-year Reinspection and the 2019 initial AHERA report for Amesbury Elementary School. RPF understands that due to a change in personnel, some records have been misplaced. The school is endeavoring to locate these missing documents. In the events that these documents cannot be located, additional testing and reporting will be required. A full review or audit of the AHERA Plans for each building, including abatement records, other record keeping requirements, or AHERA implementation records was not completed as part of this service.

This reinspection report should be filed with the AHERA plans for each school building, as well as the central facilities office. Appendix A contains a listing of the ACBM reinspected during this project and the AHERA assessment and minimum recommended actions for each area of ACBM in the school. Appendix B includes management plan recommendations and updates to be used in conjunction with your original management plan for each building.

The Asbestos Program Manager (AHERA-designated person) for the school is required, pursuant to the AHERA Rule, to review this report and the appendices and to then develop a written plan to implement recommendations for management, abatement or additional testing work, as applicable.

RPF Environmental
TESTING & CONSULTING SERVICES
Hazardous Materials Inspection & Assessment
Asbestos, Mold, Lead Paint, Radon, PCBs
Air Quality Testing and Investigations
Industrial Hygiene, Safety & Training

January 25, 2022

Mr. Matt Bennett
Director of Facilities
Amesbury Public Schools
5 Highland Street
Amesbury. MA 01913-2215

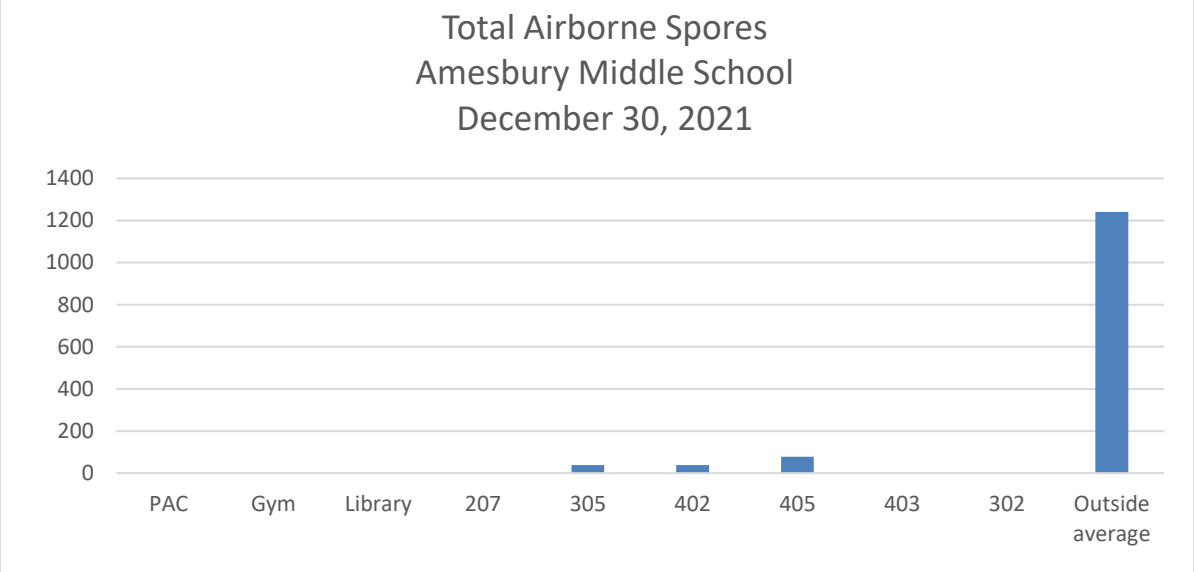
Re: Baseline Mold Testing Survey
Amesbury Public Schools
RPF Project No. 21.0881

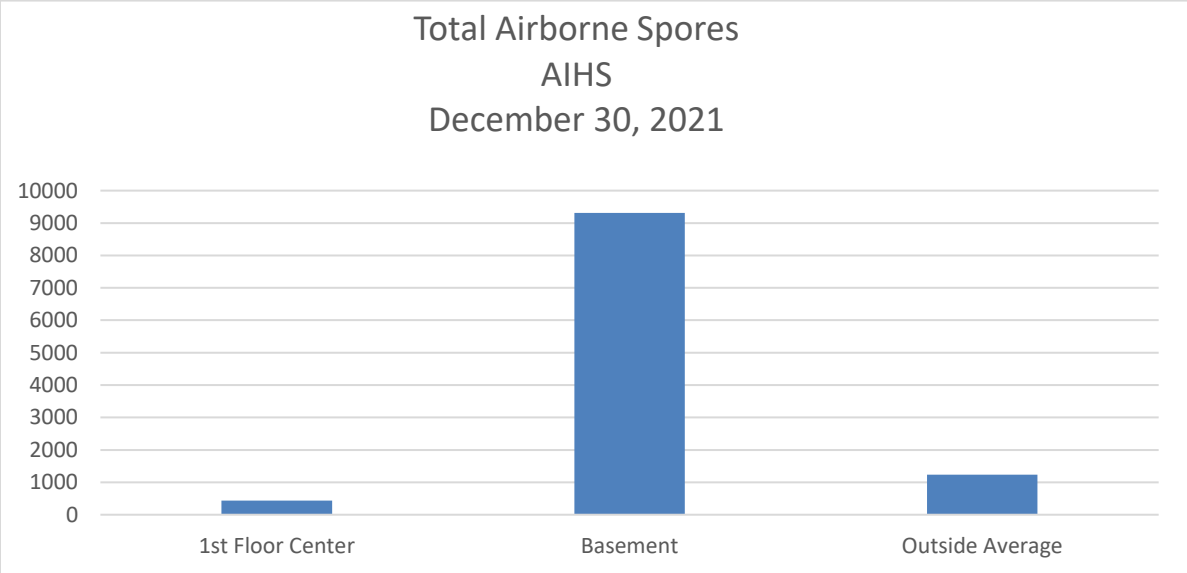
Dear Mr. Bennett:

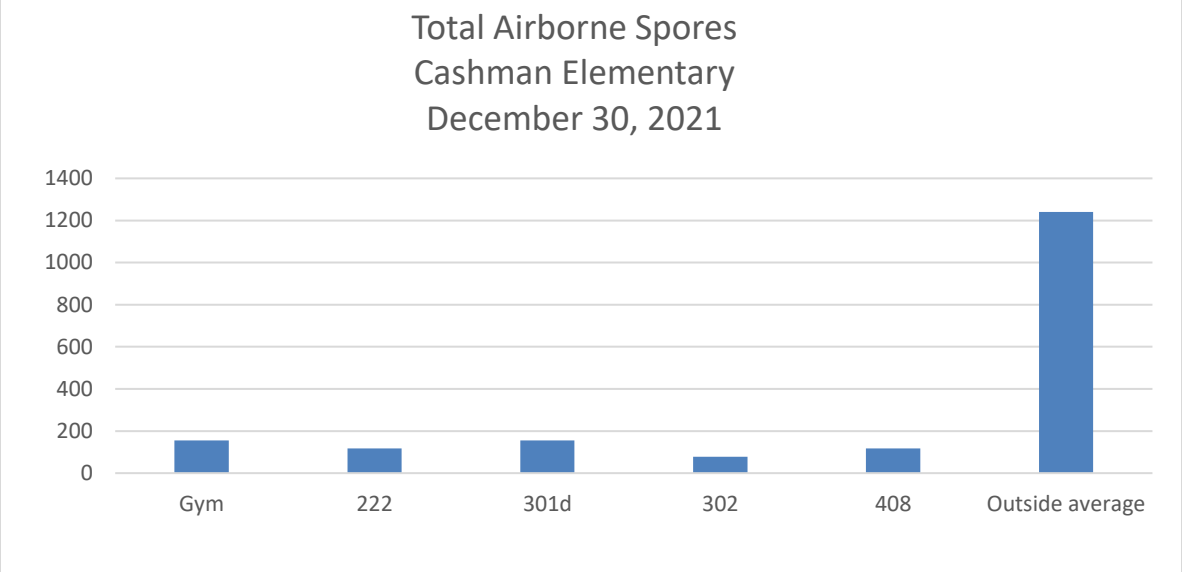
At the request of your office and in accordance with our verbal scope of work, RPF Environmental, Inc. (RPF) completed post-remediation indoor air quality (IAQ) testing for the five schools in the Amesbury Public School system. Sampling and analysis were then conducted for airborne fungal spores on December 30, 2021, during winter vacation while the schools were void of students and teachers. The results of this round of testing are presented in the following report and attached tables with actual laboratory analytical results contained in Appendix A. This report is subject to the limitations presented in Appendix B.

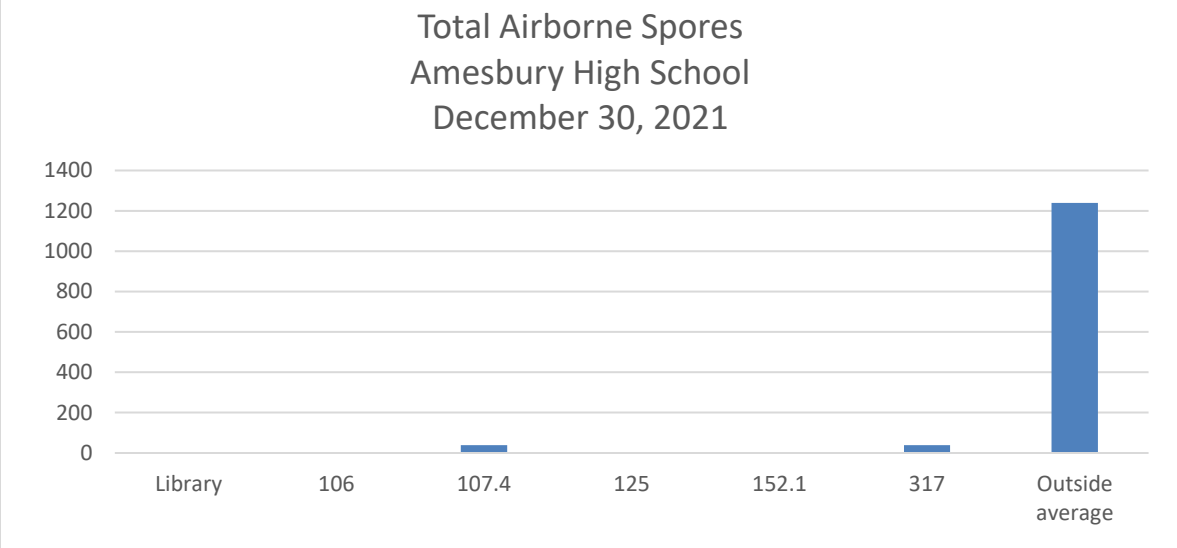
OBSERVATIONS AND SUMMARY

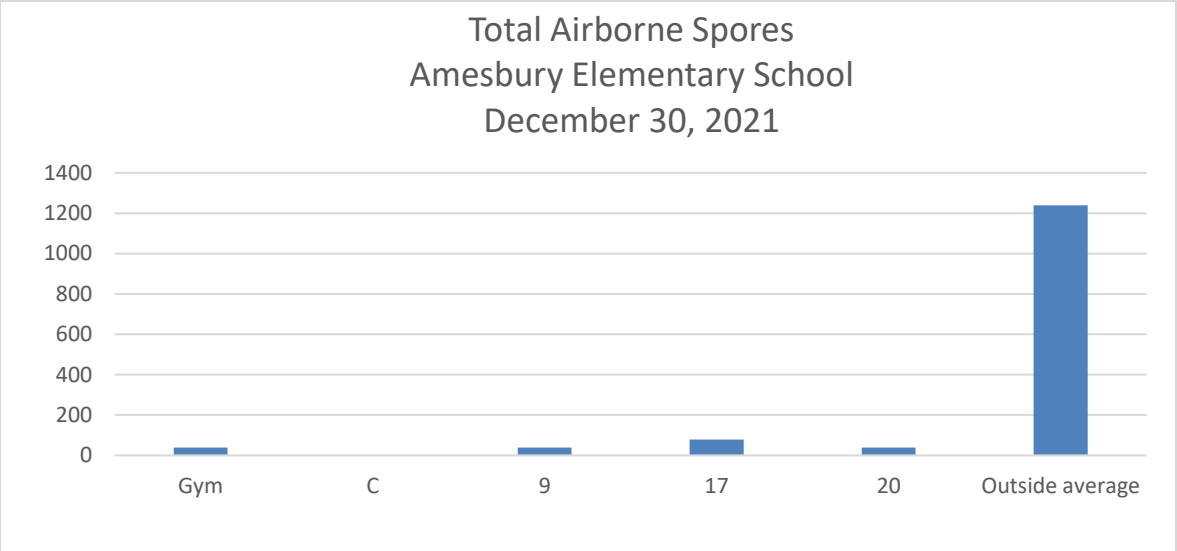
There are currently no regulatory methods or exposure limits for airborne spores or fungal metabolites for indoor air quality. General guidelines indicate that the indoor and outdoor concentrations should be similar for unaffected buildings. However, elevated concentrations of fungi and their various metabolic by-products can lead to allergic or sensitization reactions, toxic reactions to metabolites, and infections in susceptible populations of people. For those buildings with symptoms, inside airborne concentrations are typically elevated above the outdoor concentrations. In addition, the species documented inside and outside of the structure should be similar and the identification of species found in the indoor air sample(s) and not found in the outdoor air sample(s) would be indicative of the building as a likely source of contamination. The results are summarized below. Fewer outdoor controls were collected then planned to due snow cover and rain which minimizes airborne spores outside.


Total Airborne Spores
Amesbury Middle School
December 30, 2021
1400
1200
1000
800
600
400
200
0
PAC
Gym
Library
207
305
402
405
403
302
Outside average


Total Airborne Spores
AIHS
December 30, 2021
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1st Floor Center
Basement
Outside Average


Total Airborne Spores
Cashman Elementary
December 30, 2021
1400
1200
1000
800
600
400
200
0
Gym
222
301d
302
408
Outside average


Total Airborne Spores
Amesbury High School
December 30, 2021
1400
1200
1000
800
600
400
200
0
Library
106
107.4
125
152.1
317
Outside average



Overall, the indoor total fungal spore airborne concentrations were low and are considered acceptable. The exception was the Amesbury Innovative High School's basement where the fungal spores in air were elevated. The basement for this building appears to be just used for storage and is in disarray and cleaning is recommended. Once cleaned signs of moisture and fungal growth can be reviewed. The predominant species in the basement were aspergillus-penicillium spores which were not found in the outdoor samples.

If you have any questions or require additional information on any sample results or recommendations, please feel free to contact our office. Thank you for utilizing the services of RPF for this important project.

Sincerely,
RPF ENVIRONMENTAL, INC.

Dennis N. Francoeur Jr., CIH CSP CMI
Principal

Enclosures: Appendix A: Testing Results
Appendix B: Limitations and Methodologies
Appendix C: Fungal Spore Summary

21.0881 Amesbury Public Schools IAQ 123021

APPENDIX A

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 AES

Lab Order ID: 71982720
Analysis ID: 71982720_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	#1			#2			9			**EXTERIOR**		
Lab Sample ID	71982720_STA_001			71982720_STA_002			71982720_STA_003			**AVERAGE**		
Description	Gym			C Room			9			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores												
Basidiospores							1	39.0	100.%			
Cladosporium	1	39.0	100.%									
TOTAL	**1**	**39.0**	**100.%**	**<1**	**<39.2**	**N/A**	**1**	**39.0**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**80-100%**			**80-100%**			**80-100%**			**N/A**		
Total Debris in Background	**60-80%**			**80-100%**			**20-40%**			**N/A**		

No Spores Detected

Palmer Hines (6)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 AES

Lab Order ID: 71982720
Analysis ID: 71982720_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	17			20			21			**EXTERIOR**		
Lab Sample ID	71982720_STA_004			71982720_STA_005			71982720_STA_006			**AVERAGE**		
Description	17			20			Blank			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			0			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			1			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	1	39.0	50.0%	1	39.0	100.%						
Basidiospores	1	39.0	50.0%									
Cladosporium												
TOTAL	**2**	**78.0**	**100.%**	**1**	**39.0**	**100.%**	**<1**	**<1.00**	**N/A**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**80-100%**			**80-100%**			**0%**			**N/A**		
Total Debris in Background	**60-80%**			**40-60%**			**0%**			**N/A**		

No Spores Detected

Disclaimer: This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA EMPAT program for fungi. EMPAT Laboratory ID: 173190. Reporting Limit equals Analytical Sensitivity. Unless indicated, areas and volumes were provided by the customer.

Palmer Hines (6)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 AHS

Lab Order ID: 71982725
Analysis ID: 71982725_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	Lib			106			107.4			EXTERIOR		
Lab Sample ID	71982725_STA_001			71982725_STA_002			71982725_STA_003			AVERAGE		
Description	Library			106			107.4			N/A		
Lab Notes										N/A		
Volume(L)	150			150			150			N/A		
Analytical Sensitivity (counts/m³)	39			39			39			N/A		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores												
Basidiospores							1	39.0	100.%			
	No Spores Detected			**No Spores Detected**								
TOTAL	**<1**	**<39.2**	**N/A**	**<1**	**<39.2**	**N/A**	**1**	**39.0**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**40-60%**			**80-100%**			**80-100%**			**N/A**		
Total Debris in Background	**0-20%**			**0-20%**			**60-80%**			**N/A**		

Palmer Hines (6)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 AHS

Lab Order ID: 71982725
Analysis ID: 71982725_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	125			152.1			317			**EXTERIOR**		
Lab Sample ID	71982725_STA_004			71982725_STA_005			71982725_STA_006			**AVERAGE**		
Description	125			152.1			317			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores							1	39.0	100.%			
Basidiospores												
	No Spores Detected			**No Spores Detected**								
TOTAL	**<1**	**<39.2**	**N/A**	**<1**	**<39.2**	**N/A**	**1**	**39.0**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**40-60%**			**60-80%**			**60-80%**			**N/A**		
Total Debris in Background	**0-20%**			**60-80%**			**40-60%**			**N/A**		

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Palmer Hines (6)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881-AIHS

Lab Order ID: 71982723
Analysis ID: 71982723_STA
Date Received: 01/04/2022
Date Reported: 01/06/2022

Sample ID	1			2			3			**EXTERIOR**		
Lab Sample ID	71982723_STA_001			71982723_STA_002			71982723_STA_003			**AVERAGE**		
Description	Basement Center			1st Floor Center			Outdoor Control			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	16	627	6.72%	5	196	45.5%	14	549	36.8%	10	373	32.3%
Aspergillus/ Penicillium-like	177	6940	74.4%									
Basidiospores	26	1020	10.9%	4	157	36.4%	23	901	60.5%	21	823	67.7%
Chaetomium	1	39.0	0.420%									
Cladosporium	12	470.	5.04%	2	78.0	18.2%	1	39.0	2.63%	<1	20.0	N/A
Curvularia	2	78.0	0.840%									
Epicoccum	1	39.0	0.420%									
Myxomycete/ Rust/ Smut-like	1	39.0	0.420%									
Pithomyces	2	78.0	0.840%									
Unknown/Other										<1	20.0	N/A
TOTAL	**238**	**9330**	**100.%**	**11**	**431**	**100.%**	**38**	**1490**	**100.%**	**31**	**1240**	**100.%**
Non-Cellulosic Fibers	18	705	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	19	744	-	-	-	-	-	-	-	-	-	-
Insect Parts	6	235	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	39.0	-	-	-	-	-	-	-
Skin Cell % of Total Debris		**40-60%**			**40-60%**			**0-20%**			**N/A**	
Total Debris in Background		**80-100%**			**40-60%**			**40-60%**			**N/A**	

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Darrin Parrick (5)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881-AIHS

Lab Order ID: 71982723
Analysis ID: 71982723_STA
Date Received: 01/04/2022
Date Reported: 01/06/2022

Sample ID	4			5			**EXTERIOR**		
Lab Sample ID	71982723_STA_004			71982723_STA_005			**AVERAGE**		
Description	Outdoor Control			Blank			**N/A**		
Lab Notes							**N/A**		
Volume(L)	150			0			**N/A**		
Analytical Sensitivity (counts/m³)	39			1			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	5	196	20.0%	**No Spores Detected**			10	373	32.3%
Aspergillus/ Penicillium-like									
Basidiospores	19	744	76.0%				21	823	67.7%
Chaetomium									
Cladosporium							<1	20.0	N/A
Curvularia									
Epicoccum									
Myxomycete/ Rust/ Smut-like									
Pithomyces									
Unknown/Other	1	39.0	4.00%				<1	20.0	N/A
TOTAL	**25**	**979**	**100.%**	**<1**	**<1.00**	**N/A**	**31**	**1240**	**100.%**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**0-20%**			**0%**			**N/A**		
Total Debris in Background	**20-40%**			**0%**			**N/A**		

Darrin Parrick (5)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 Cashman

Lab Order ID: 71982722
Analysis ID: 71982722_STA
Date Received: 01/04/2022
Date Reported: 01/06/2022

Sample ID	Gym			222			3 Old			**EXTERIOR**		
Lab Sample ID	71982722_STA_001			71982722_STA_002			71982722_STA_003			**AVERAGE**		
Description	Gym			222			3 Old			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	1	39.0	25.0%	1	39.0	33.3%	2	78.0	50.0%			
Basidiospores	2	78.0	50.0%	1	39.0	33.3%						
Cladosporium	1	39.0	25.0%				2	78.0	50.0%			
Pithomyces				1	39.0	33.3%						
TOTAL	**4**	**156**	**100.%**	**3**	**117**	**100.%**	**4**	**156**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	1	39.0	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**20-40%**			**40-60%**			**60-80%**			**N/A**		
Total Debris in Background	**0-20%**			**20-40%**			**40-60%**			**N/A**		

Darrin Parrick (5)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881 Cashman

Lab Order ID: 71982722
Analysis ID: 71982722_STA
Date Received: 01/04/2022
Date Reported: 01/06/2022

Sample ID	302			408			**EXTERIOR**		
Lab Sample ID	71982722_STA_004			71982722_STA_005			**AVERAGE**		
Description	302			408			**N/A**		
Lab Notes							**N/A**		
Volume(L)	150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	1	39.0	50.0%	1	39.0	33.3%			
Basidiospores				1	39.0	33.3%			
Cladosporium	1	39.0	50.0%						
Pithomyces				1	39.0	33.3%			
TOTAL	**2**	**78.0**	**100.%**	**3**	**117**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-
Hyphal Fragments	2	78.0	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-
Pollen	2	78.0	-	-	-	-	-	-	-
Skin Cell % of Total Debris		**60-80%**			**40-60%**			**N/A**	
Total Debris in Background		**40-60%**			**20-40%**			**N/A**	

Darrin Parrick (5)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881

Lab Order ID: 71982726
Analysis ID: 71982726_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	PAC			Gym			Lib			**EXTERIOR**		
Lab Sample ID	71982726_STA_001			71982726_STA_002			71982726_STA_003			**AVERAGE**		
Description	PAC			Gym			Library			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores	**No Spores Detected**			**No Spores Detected**			**No Spores Detected**					
Basidiospores												
TOTAL	**<1**	**<39.2**	**N/A**	**<1**	**<39.2**	**N/A**	**<1**	**<39.2**	**N/A**	-	-	-
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**60-80%**			**20-40%**			**60-80%**			**N/A**		
Total Debris in Background	**0-20%**			**0-20%**			**20-40%**			**N/A**		

Palmer Hines (9)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881

Lab Order ID: 71982726
Analysis ID: 71982726_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	207			302			305			EXTERIOR		
Lab Sample ID	71982726_STA_004			71982726_STA_005			71982726_STA_006			AVERAGE		
Description	207			302			305			N/A		
Lab Notes										N/A		
Volume(L)	150			150			150			N/A		
Analytical Sensitivity (counts/m³)	39			39			39			N/A		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores							1	39.0	100.%			
Basidiospores												
	No Spores Detected			**No Spores Detected**								
TOTAL	**<1**	**<39.2**	**N/A**	**<1**	**<39.2**	**N/A**	**1**	**39.0**	**100.%**	-	-	-
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	-	-	-	-	-	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**80-100%**			**80-100%**			**80-100%**			**N/A**		
Total Debris in Background	**20-40%**			**0-20%**			**40-60%**			**N/A**		

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Palmer Hines (9)

Analyst

Approved Signatory

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Client: RPF Environmental Inc.
320 1st NH Turnpike
Northwood, NH 03261

Attn: Dennis Francoeur

Project: Amesbury 210881

Lab Order ID: 71982726
Analysis ID: 71982726_STA
Date Received: 01/04/2022
Date Reported: 01/07/2022

Sample ID	402			403			405			**EXTERIOR**		
Lab Sample ID	71982726_STA_007			71982726_STA_008			71982726_STA_009			**AVERAGE**		
Description	402			403			405			**N/A**		
Lab Notes										**N/A**		
Volume(L)	150			150			150			**N/A**		
Analytical Sensitivity (counts/m³)	39			39			39			**N/A**		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Ascospores				**No Spores Detected**			2	78.0	100.%			
Basidiospores	1	39.0	100.%									
TOTAL	**1**	**39.0**	**100.%**	**<1**	**<39.2**	**N/A**	**2**	**78.0**	**100.%**	**-**	**-**	**-**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	39.0	-	-	-	-	1	39.0	-	-	-	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	**80-100%**			**0-20%**			**80-100%**			**N/A**		
Total Debris in Background	**20-40%**			**0-20%**			**80-100%**			**N/A**		

Palmer Hines (9)

Analyst

Approved Signatory

APPENDIX B

LIMITATIONS

1. The observations and conclusions presented in the Report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the RPF Environmental, Inc. Scope of Work (SOW) as discussed in the proposal and/or agreement. The conclusions and recommendations are based on visual observations and testing, limited as indicated in the Report, and were arrived at in accordance with generally accepted standards of industrial hygiene practice and asbestos professionals. The nature of this survey or monitoring service was limited as indicated herein and in the report or letter of findings. Further testing, survey, and analysis is required to provide more definitive results and findings.

2. For site survey work, observations were made of the designated accessible areas of the site as indicated in the Report. While it was the intent of RPF to conduct a survey to the degree indicated, it is important to note that not all suspect ACBM material in the designated areas were specifically assessed and visibility was limited, as indicated, due to the presence of furnishings, equipment, solid walls and solid or suspended ceilings throughout the facility and/or other site conditions. Asbestos or hazardous material may have been used and may be present in areas where detection and assessment is difficult until renovation and/or demolition proceeds. Access and observations relating to electrical and mechanical systems within the building were restricted or not feasible to prevent damage to the systems and minimize safety hazards to the survey team.

3. Although assumptions may have been stated regarding the potential presence of inaccessible or concealed asbestos and other hazardous material, full inspection findings for all asbestos and other hazardous material requires the use of full destructive survey methods to identify possible inaccessible suspect material and this level of survey was not included in the SOW for this project. For preliminary survey work, sampling and analysis as applicable was limited and a full survey throughout the site was not performed. Only the specific areas and /or materials indicated in the report were included in the SOW. This inspection did not include a full hazard assessment survey, full testing or bulk material, or testing to determine current dust concentrations of asbestos in and around the building. Inspection results should not be used for compliance with current EPA and State asbestos in renovation/demolition requirements unless specifically stated as intended for this use in the RPF report and considering the limitations as stated therein and within this limitations document.

4. Where access to portions of the surveyed area was unavailable or limited, RPF renders no opinion of the condition and assessment of these areas. The survey results only apply to areas specifically accessed by RPF during the survey. Interiors of mechanical equipment and other building or process equipment may also have asbestos and other hazardous material present and were not included in this inspection. For renovation and demolition work, further inspection by qualified personnel will be required during the course of construction activity to identify suspect material not previously documented at the site or in this survey report. Bordering properties were not investigated and comprehensive file review and research was not performed.

5. For lead in paint, observations were made of the designated accessible areas of the site as indicated in the Report. Limited testing may have been performed to the extent indicated in the text of the report. In order to conduct thorough hazard assessments for lead exposures, representative surface dust testing, air monitoring and other related testing throughout the building, should be completed. This type of in depth testing and analysis was beyond the scope of services for the initial inspection. For lead surveys with XRF readings, it is recommended that surfaces found to have LBP or trace amount of lead detected with readings of less than 4 mg/cm^2 be confirmed using laboratory analysis if more definitive results are required. Substrate corrections involving destructive sampling or damage to existing surfaces (to minimize XRF read-through) were not completed. In some instances, destructive testing may be required for more accurate results. In addition, depending on the specific thickness of the paint films on different areas of a building component, differing amounts of wear, and other factors, XRF readings can vary slightly, even on the same building component. Unless otherwise specifically stated in the scope of services and final report, lead testing performed is not intended to comply with other state and federal regulations pertaining to childhood lead poisoning regulations.

6. Air testing is to be considered a "snap shot" of conditions present on the day of the survey with the understanding that conditions may differ at other times or dates or operational conditions for the facility. Results are also limited based on the specific analytical methods utilized. For phase contrast microscopy (PCM) total airborne fiber testing, more sensitive asbestos-specific analysis using transmission electron microscopy (TEM) can be performed upon request.

7. For asbestos bulk and dust testing, although polarize light microscopy (PLM) is the method currently recognized in State and federal regulations for asbestos identification in bulk samples, some industry studies have found that PLM may not be sensitive enough to detect all of the asbestos fibers in certain nonfriable material, vermiculate type insulation, soils, surface dust, and other materials requiring more sensitive analysis to identify possible asbestos fibers. In the event that more definitive results are requested, RPF recommends that confirmation testing be completed using TEM methods or other analytical methods as may be applicable to the material. Detection of possible asbestos fibers may be made more difficult by the presence of other non-asbestos fibrous components such as cellulose, fiber glass, etc., by binder/matrix materials which may mask or obscure fibrous components, and/or by exposure to conditions capable of altering or transforming asbestos. PLM can show significant bias leading to false negatives and false positives for certain types of materials. PLM is limited by the visibility of the asbestos fibers. In some samples the fibers may be reduced to a diameter so small or masked by coatings to such an extent that they cannot be reliably observed or identified using PLM.

8. For hazardous building material inspection or survey work, RPF followed applicable industry standards; however, RPF does not warrant or certify that all asbestos or other hazardous materials in or on the building has been identified and included in this report. Various assumptions and limitations of the methods can result in missed materials or misidentification of materials due to several factors including but not limited to: inaccessible space due to physical or safety constraints, space that is difficult to reach to fully inspect, assumptions regarding the determination of homogenous groups of suspect material, assumptions regarding attempts to conduct representative sampling, and potential for varying mixtures and layers of material sampled not being representative of all areas of similar material.

9. Full assessments often requires multiple rounds of sampling over a period of time for air, bulk material, surface dust and water. Such comprehensive testing was beyond the scope of RPF services. In addition clearance testing for abatement, as applicable, was based on the visual observations and limited ambient area air testing as indicated in the report and in accordance with applicable state and federal regulations. The potential exists that microscopic surface dust remains with contaminant present even in the event that the clearance testing meets the state and federal requirements. Likewise for building surveys, visual observations are not sufficient alone to detect possible contaminant in settled dust. Unless otherwise specifically indicated in the report, surface dust testing was not included in the scope of the RPF services.

10. For abatement or remediation monitoring services: RPF is not responsible for observations and test for specific periods of work that RPF did not perform full shift monitoring of construction, abatement or remediation activity. In the event that problems occurred or concerns arouse regarding contamination, safety or health hazards during periods RPF was not onsite, RPF is not responsible to provide documentation or assurances regarding conditions, safety, air testing results and other compliance issues. RPF may have provided recommendations to the Client, as needed, pertaining to the Client's Contractor compliance with the technical specifications, schedules, and other project related issues as agreed and based on results of RPF monitoring work. However, actual enforcement, or waiving of, contract provisions and requirements as well as regulatory liabilities shall be the responsibility of Client and Client's Contractor(s). Off-site abatement activities, such as waste transportation and disposal, were not monitored or inspected by RPF.

11. For services limited to clearance testing following abatement or remediation work by other parties: The testing was limited to clearance testing only and as indicated in the report and a site assessment for possible environmental health and safety hazards was not performed as part of the scope of this testing. Client, or Client's abatement contractor as applicable, was responsible for performing visual inspections

of the work area to determine completeness of work prior to air clearance testing by RPF.

12. For site work, including but not limited to air clearance testing services, in which RPF did not provide full site safety and health oversight, abatement design, full shift monitoring of all site activity, RPF expresses no warranties, guarantees or certifications of the abatement work conducted by the Client or other employers at the job site(s), conditions during the work, or regulatory compliance, with the exception of the specific airborne concentrations as indicated by the air clearance test performed by RPF during the conditions present for the clearance testing. Unless otherwise specifically noted in the RPF Report, visual inspections and air clearance testing results apply only to the specific work area and conditions present during the testing. RPF did not perform visual inspections of surfaces not accessible in the work area due to the presence of containment barriers or other obstructions. In these instances, some contamination may be present following RPF clearance testing and such contamination may be exposed during and after removal of the containment barriers or other obstructions following RPF testing services. Client or Client's Contractor is responsible for using appropriate care and inspection to identify potential hazards and to remediate such hazards as necessary to ensure compliance and a safe environment.

13. The survey was limited to the material and/or areas as specifically designated in the report and a site assessment for other possible environmental health and safety hazards or subsurface pollution was not performed as part of the scope of this site inspection. Typically, hazardous building materials such as asbestos, lead paint, PCBs, mercury, refrigerants, hydraulic fluids and other hazardous product and materials may be present in buildings. The survey performed by RPF only addresses the specific items as indicated in the Report.

14. For mold and moisture survey services, RPF services did not include design or remediation of moisture intrusion. Some level of mold will remain at the site regardless of RPF testing and Contractor or Client cleaning efforts. RPF testing associated with mold remediation and assessments is limited and may or may not be representative of other surfaces and locations at the site. Mold growth will occur if moisture intrusion deficiencies have not been fully remedied and if the site or work areas are not maintained in a sufficiently dry state. Porous surfaces in mold contaminated areas which are not removed and disposed of will likely result in future spore release, allergen sources, or mold contamination.

15. Existing reports, drawings, and analytical results provided by the Client to RPF, as applicable, were not verified and, as such, RPF has relied upon the data provided as indicated, and has not conducted an independent evaluation of the reliability of these data.

16. Where sample analyses were conducted by an outside laboratory, RPF has relied upon the data provided, and has not conducted an independent evaluation of the reliability of this data.

17. All hazard communication and notification requirements, as required by U.S. OSHA regulation 29 CFR Part 1926, 29 CFR Part 1910, and other applicable rules and regulations, by and between the Client, general contractors, subcontractors, building occupants, employees and other affected persons were the responsibility of the Client and are not part of the RPF SOW.

18. The applicability of the observations and recommendations presented in this report to other portions of the site was not determined. Many accidents, injuries and exposures and environmental conditions are a result of individual employee/employer actions and behaviors, which will vary from day to day, and with operations being conducted. Changes to the site and work conditions that occur subsequent to the RPF inspection may result in conditions which differ from those present during the survey and presented in the findings of the report.

METHODOLOGY

The results of the air quality testing are representative of the conditions present on the day of the survey and should be considered a snapshot of conditions within the facility. Additional rounds of testing may be required to obtain a statistically valid set of data representative of a variety of conditions which may be present within the facility.

Each of the methods used is discussed separately below.

Microscopic Screen and Fungal Identification-Airborne Fungal Spores and Particulates

Sampling for airborne fungal spores and particulates was completed using a hi-volume air-sampling pump calibrated at a rate of approximately 15 liters of air per minute (lpm) using Zefon Air-O-Cell spore trap cassettes. All samples were collected at approximately three to five feet above the ground for a period of ten minutes per cassette per location. The Air-O-Cell cassette sampling and analysis method provides for the identification and quantification of many, but not all, genus of fungal spores that may be present in the air on the day of the survey and does not determine the viability of fungi spores but rather a total count of spores, both viable and non-viable. At the completion of the sampling, the samples were sealed, labeled, and shipped under chain of custody to Scientific Analytical Institute (SAI) of Greensboro, NC for microscopic analysis. This method will detect many but not all fungal spores present in the air on the day of the survey. SAI is accredited by the AIHA for analysis of microbiological samples. Additional rounds of testing may be required to fully document fungal ecology due to high variability of spore concentrations.

APPENDIX C

Regulatory standards for the testing for and exposure limits for airborne mold, and fungal spores have not been established. The presence of fungi and mold is common in many environments with over 1,000 fairly common species of mold, many we are routinely in contact with are not hazardous under normal conditions.

Ascospore

Ascospores are a general category of spores that have been produced by means of sexual reproduction (in a sack-like structure called an ascus). These are ubiquitous saprobes and plant pathogens, many of which are easily identifiable (i.e. *Chaetomium*). This group contains potential opportunistic pathogens, toxin producers, and allergens depending on the genus and species. A rupture in the top portion of the ascus disperses the spores during rain or in times of high humidity. Some asexual fungi, such as *Aspergillus* and *Penicillium* can become sexual under specific conditions, these are then considered ascomycetes and are given distinct names. The presence of these sports normally is associated with indoor air infiltration.

***Aspergillus/Penicillium* –like**

Aspergillus and *Penicillium* spores are indistinguishable via direct microscopic examination. *Aspergillus* tends to colonize continuously damp materials such as damp wallboard and fabrics. *Penicillium* is commonly found in house dust, on water-damaged wallpaper, behind paint and in decaying fabrics.

Aspergillus sp.

Aspergillus is a common type I & III allergen. They are frequently isolated from forest products, soils, grains, nuts, cotton, organic debris, and water damaged building materials. Spores can also be found in moist ventilation systems and house dust. There are more than 160 different species of *Aspergillus*, sixteen of which have been documented as etiological agents of human disease but rarely occur in individuals with normally functioning immune systems. However, due to the substantial increase in populations of individuals with HIV, chemotherapy patients and those on corticosteroid treatment, contamination of building substrates with fungi, particularly *Aspergillus* is of concern. Aspergillosis is now the second most common fungal infection requiring hospitalization in the United States. Many *Aspergillus* species produce mycotoxins that may be associated with diseases in humans and other animals. Toxin production is dependent on the species or strain within the species and on the food source for the fungus. Some of these toxins are carcinogenic including aflatoxins and ochratoxin. *Aspergillus* is a common cause of extrinsic asthma with symptoms including edema and bronchiospasms, and chronic cases may develop pulmonary emphysema. These fungi are frequently secondary opportunistic pathogens in patients with bronchiectasis, carcinoma, other mycosis, sarcoid, and tuberculosis. Some species can also cause onychomycosis (infection of the nail).

Aureobasidium

Aureobasidium is a saprobe, or weak parasite, type I & III allergen, and common in a variety of soils outdoors. It is widespread in the indoor environment and is common in places that moisture accumulates like bathrooms, kitchens, shower curtains, tile grout, window caulking and windowsills. This genus has 14 species, *A. pullulans* being the most common. Indoors *A. pullulans* is often found as a black stain on damp materials in homes such as painted wood. This species has also been reported to cause chromoblastomycosis (in an immunocompromised patient), which is a chronic cutaneous infection of the skin. Morphology is characterized by producing black, shiny colonies. This fungus produces abundant spores.

Basidiospore

Basidiospores are a general category of sexual spores that have been released from the basidium of a fungus. A ubiquitous type I & III allergen, saprobe and plant pathogen, mainly found in gardens, forests, and woodlands. Spores disseminate during rain or in times of high humidity. Rarely opportunistic pathogens, Basidiospores may produce toxins, including amanitins, monomethyl-hydrazine, muscarine, ibotenic acid, and psilocybin. Basidiospores are an agent of dry wood rot, which may destroy the structure wood of buildings.

Chaetomium

Chaetomium is found worldwide on a variety of substrates including paper, damp sheetrock, carpet, plant compost, soil, and between layers of wet plywood. Several species have been reported to play a major role in decomposition of cellulose-based materials, and is often found indoors with *Stachybotrys*. These fungi are able to dissolve the cellulose fibers in cotton and paper and thus cause the materials to disintegrate. The process is especially rapid under moist conditions. During the Second World War, countries lost a great deal of equipment to these species. *Chaetomium* is reported to have type I & III allergens, and can produce sterigmatocystin, a mycotoxin shown to cause kidney and liver damage in laboratory animals. It is not a common human pathogen, but it has been known to cause skin and nail infections. It is an ascomycete, and in most species the spores are lemon-shaped, with a single germ pore. The spore column results from the breakdown of the asci within the body of the perithecium. The perithecia of *Chaetomium* are superficial and barrel-shaped, and they are clothed with dark, stiff hair.

Cladosporium

Cladosporium is widely distributed in air and rotten organic material. *C. herbarum* is the most frequently found species in outdoor air in temperate climates. It is often found indoors, usually in lesser numbers than outdoors. The dry conidia become easily airborne and are transported over long distances. This fungus is often encountered in dirty refrigerators, especially in reservoirs where condensation is collected. It can easily be seen on moist window frames covering the whole painted area with a velvety olive-green layer. *Cladosporium* often discolors interior paint, paper, or textiles stored under humid conditions. Houses with poor ventilation, houses with thatched straw roofs and houses situated in damp environments may have heavy concentrations of *Cladosporium*, which will be easily expressed when domestic mold is analyzed. It is commonly found on the surface of fiberglass duct liner in the interior of supply ducts. It is also found naturally on dead & woody plants, food, straw, soils, paint, and textiles. The ability to sporulate heavily, ease of dispersal, and buoyant spores makes this fungus the most important fungal airway allergen; and together with *Alternaria*, it commonly causes asthma and hay fever in the Western hemisphere. More than 500 species have been identified. A few species of this genus cause disease, which range from phaeohyphomycosis, a group of mycotic infections characterized by the presence of dematacеous septate hyphae. Infections of the eyes and skin by black fungi (also classified as phaeohyphomycosis), and chromoblastomycosis, chronic localized infection of the skin and subcutaneous tissue that follows the traumatic implantation of the etiologic agent are also caused by this fungus. Chromoblastomycosis lesions are verrucoid, ulcerated, and crusted. Skin abscesses, mycotic keratitis and pulmonary fungus ball have been recorded in immunocompromised patients. It may also cause corneal infections and mycetoma, characterized by localized infections that involve cutaneous and subcutaneous tissue, fascia, and bone consisting of abscesses, granulomata, and draining sinuses, usually in

immunocompromised hosts. *Cladosporium* produces the toxins cladosporin and emodin, but neither of these is very toxic. Fungal colonies are powdery or velvety olive-green to olive-brown.

Curvularia

Curvularia is reported to be a common type I allergen and is pathogenic to soil, plants, and cereals in tropical and subtropical areas. It is an opportunistic leaf spot fungus and weak pathogen, which survives as a saprobe, and is easily isolated from dead turf and weakened and/or dead plant tissue. Some species of *Curvularia* are known as storage molds of grains. This fungus may cause corneal infections, mycetoma and infections in immunocompromised individuals. The species *C. lunata* is the most commonly encountered species and a cause of disease in humans and animals.

Epicoccum

Epicoccum is a dematiaceous mitosporic mould widely distributed and commonly isolated from air, soil and foodstuff. It is found also in some animals and textiles. It is the common causative agent of leaf spots of various plants.

Fruiting Bodies

Fruiting bodies are the portion of the fungus which generates and releases fungal spores into the environment.

Hyphal Fragments

Hyphal fragments are generally viewed as an indicator of fungal growth. Hyphal fragments are the fruiting structures of mold (such as a tree has branches and a plant has stems). Hyphal fragments typically settle quickly, therefore, the presence of high amounts of hyphal fragments on surfaces (above 100/m3) suggests an active fungal growth is nearby.

Myxomycetes

Ubiquitous, type I allergen. Often found on decaying plant material, however occasionally found indoors. Dispersed by wind in the dry phase, while the wet amoebic phase is motile. Myxomycetes exhibit characteristics of protozoans and fungi. Indistinguishable from smuts under 600x microscopy.

Penicillium sp.

Penicillium sp. - A wide number of organisms belong to this genus. Identification to species is difficult. Often found in aerosol samples. Commonly found in soil, food, cellulose, paint, grains, and compost piles. It is commonly found in carpet, wallpaper, and in interior fiberglass duct insulation. Although this fungus is less allergy-provoking than the other molds, Penicillium is reported to be allergenic (skin) and it may cause hypersensitivity pneumonitis and allergic alveolitis in susceptible individuals. It can cause other infections such as keratitis, penicilliosis, and otomycosis. Some species can produce mycotoxins including 1). Ochratoxin which is damaging to the kidneys and liver and is also a suspected carcinogen; there is also evidence that impairs the immune system. 2). Citrinin that can cause renal damage, vasodilatation, and bronchial constriction. 3). Gliotoxin which is an immunosuppressive toxin, and 4). Patulin that is believed to cause hemorrhaging in the brain and lungs and is usually associated with apple and grape spoilage. It can also cause extrinsic asthma. P. camemberti has been responsible for inducing occupational allergies among those who work with soft white cheeses on which the

fungus grows. P. chrysogenum has been found on building materials, including paints, chip boards, and wallpaper.

Pithomyces

Pithomyces is found growing on decaying plants, especially grasses, soil, and wood in tropical areas, it is rare in cold climates. It may grow on paper but is not prolific indoors. This fungus has demonstrated allergenic activity; it is also considered an etiologic agent in immunocompromised patients. The most common saprophytic species, *P. chartarum* produces a mycotoxin called sporidesmin (a piperazinedione) known to be pathogenic in animals causing liver damage and facial eczema, a condition of severe dermatitis in cattle, sheep, and goats. *Pithomyces* can be found on dead vegetative material in pastures, especially ryegrass. It favors warm, wet, humid weather, heavy dews, or irrigation.

Rusts

The order uredinales, or rusts, are among the most important of the Basidiomycetes. There are about 4000-6000 species of rusts, all of which are plant parasites requiring at least one plant or grass as a host to complete its lifecycle. They attack more types of wild and domesticated plants than any other natural fungus. They have a complex lifecycle, having five different spore types including basidiospores, pycniospores, aeciospores, teliospores, and urediospores (the most common one found). It is a type I allergen, and not a known toxin producer. Rusts produce red or rusty to orange spores. They can be found on trees, flowers, grasses, and other living plant materials. Very rarely found growing indoors, unless their host plants are present.

Sterile Hyphae

A mold that is growing only in its filamentous phase without produce conidia or other fruiting bodies. The identification of the moulds depends on seeing conidia, fruiting bodies, and other similar structures and the mould thus cannot be fully identified.

Unclassified Conidia

Unclassified conidia are not classified as any of the recognized spores. They have a definite edge making it look "spore-like". Some commonly seen unidentified conidia are a spore that resembles an octopus with a large body and tentacle-like arms radiating from one side of the spore or a brown to black spore that resembles a four-leaf clover. Generally these spores can be cultured for definitive identification.

Unidentifiable Spores

Unidentifiable spores are not classified as any of the recognized spores. They have a definite edge making it look "spore-like". Some commonly seen unidentifiable spores are spores that resemble an octopus with a large body and tentacle-like arms radiating from one side of the spore or a brown to black spore that resembles a four-leaf clover. Generally these spores can be cultured for definitive identification.

Information Source: Aerotech Laboratories Inc., 1501 W. Knudsen Drive, Phoenix, AZ, 85027; Microbial Fungi Glossary; www.aerotechlabs.com and EMSL Analytical, 107 Haddon Avenue, Westmont, NJ 08108; Fungi Summary; www.emsl.com

Fee Structure for Integrated Pre-Kindergarten Community Partners – MONTHLY FEE
Current Fee of $280 was reset in 2015, which was a DECREASE from the $310 monthly fee in 2014.

- **Current School Year Fee: $2,660** ($280/monthly Sept – May + $140 deposit)
  Students attend 135 days; 2.75 hours/day; 4 days/week
  ($7.16/hour or $19.70/day)

- **Recommended Fee Increase: $2,850** ($300/monthly Sept – May + $150 deposit)
  Students attend 135 days; 2.75 hours/day; 4 days/week
  ($7.68/hour or $21.11/day)

- **Recommended Fee for NEW Integrated Intensive Program: $3,800** ($400/monthly Sept-May + $200)
  Students attend 135 days; 3.75 hours /day; 4 days/week
  ($7.51/hour or $28.15/day)

Rationale: The cost to operate the Pre-Kindergarten programs has increased over the past 6 years as a result of increases in teacher and paraprofessionals salaries, materials and supplies.

Proposed New Integrated Intensive Pre-Kindergarten Program

The new program would be designed to enroll 3 and 4 year old students who have service needs that extend beyond the typical 2 hours and 45 minutes / 4 days a week which defines our current integrated Pre-Kindergarten program. Developmentally it is extremely challenging for this age of students to participate in 5 full days (6.5 hours) of instruction in our current substantially separate programs.

The class will be housed at Cashman Elementary School for the 2022-2023 school year.

- The class will be held 4 days/week (Monday – Thursday)
- Hours will be 8:45am – 12:30pm.

The program will consist of no more than 5 students identified with disabilities and 7 community partners.

The program will require 1 special education teacher and 1 paraprofessional.

- Teacher will be full time; using additional time each afternoon and Fridays to support other programming in the school.
- Paraprofessional will be 0.6 FTE

AMESBURY PUBLIC SCHOOLS 2022-2023

0-000		August 2022				
S	M	T	W	Th	F	S
	1	2	3	4	5	
	8	9	10	11	12	
	15	16	17	18	19	
	22	23	24	25	26	
	29	PD	PD			

18-018		September 2022				
S	M	T	W	Th	F	S
				T	2	
	H	ST	7	8	9	
	12	13	14	15	16	
	19	20	PD	22	23	
	26	27	28	29	30	

20-038		October 2022				
S	M	T	W	Th	F	S
	3	4	5	6	PRT	
	H	11	12	13	14	
	17	18	19	20	21	
	24	25	26	27	28	
	31					

18-056		November 2022				
S	M	T	W	Th	F	S
		1	2	3	4	
	7	PD	9	10	H	
	14	15	16	17	18	
	21	22	ER	H	V	
	28	29	30			

16-072		December 2022				
S	M	T	W	Th	F	S
				1	2	
	5	6	7	8	PRT	
	12	13	14	15	16	
	19	20	21	ER	V	
	V	V	V	V	V	

21-093		January 2023				
S	M	T	W	Th	F	S
	2	3	4	5	6	
	9	10	11	12	PRT	
	H	17	18	19	20	
	23	24	25	26	27	
	30	31				

15-108		February 2023				
S	M	T	W	Th	F	S
			1	2	3	
	6	7	8	9	PRT	
	13	14	15	16	17	
	H	V	V	V	V	
	27	28				

23-131		March 2023				
S	M	T	W	Th	F	S
			1	2	3	
	6	7	8	9	10	
	13	14	15	16	PRT	
	20	21	22	23	24	
	27	28	29	30	31	

16-147		April 2023				
S	M	T	W	Th	F	S
	3	4	5	6	7	
	10	11	12	13	14	
	V	V	V	V	V	
	24	25	26	27	28	
	30					

22-169		May 2023				
S	M	T	W	Th	F	S
	1	2	3	4	5	
	8	9	10	11	12	
	15	16	17	18	19	
	22	23	24	25	26	
	H	30	31			

11-180		June 2023				
S	M	T	W	Th	F	S
				1	2	
	5	6	7	8	9	
	12	13	14	15	M	
	H	M	M	M	23	
	26	27	28	29	30	

Calendar Codes

- Indicates No School Days
- ER = Early Release Day
- H = Holiday
- M = No School: Make-up Days
- PD = Professional Development
- PRT = Prof. Release Time Day
- ST = Student 1st Day
- T = Teacher/Staff Only
- TI = New Teacher Induction Days
- V = School Vacation

STUDENT YEAR: 180

SCHOOL STARTS: 9/6/22

SCHOOL ENDS: 6/15/23

SCHOOL HOURS:		DISMISSAL TIMES: ER	PRT
7:30-2:30	High School	10:50	11:30
7:40-2:25	Middle School	10:50	11:30
8:30-3:00	Elementary	11:30	12:00

Approved:

2022-2023 SCHOOL YEAR

AMESBURY SCHOOL COMMITTEE
SCHOOL COMMITTEE MEETING MINUTES
November 15, 2021

Present were Mayor Gove, Chair; Peter Hoyt, Mel Webster, Kate Currie, Maryann Welch, Abigail Jurist Levy, Elaine Bucher, Anna Bailey, and Superintendent Elizabeth McAndrews.

A video recording of this meeting can be viewed here: https://fb.watch/aTD_XAIOmN/

I. Call to Order/Moment of Silence/Mission Statement/Pledge of Allegiance (1:25)

II. Comments by Visitors & Delegations (2:10)
- Miesha Acevedo, 164 Whitehall Rd – Ms. Acevedo spoke in favor of changing the identifier.
- Maria Wilkins, Salisbury – Ms. Wilkins spoke in favor of changing the identifier.
- Dave Randall, 10 Lake Ave – Mr. Randall spoke in favor of keeping the current identifier, while retiring the logo.
- A Letter from Frank Vinciguerra was read in support of keeping the identifier.
- Steve Stanganelli, 12 Amidon Ave – Mr. Stanganelli spoke in favor of changing the identifier.
- Libby Arsenault, Longvail Ln – Ms. Arsenault spoke in favor of changing the identifier.

III. School Committee Spotlight (18:30)
a. Ms. Jacques introduced the Diversity, Equity, & Inclusion Committee and gave an overview of their work. Ms. Jacques presented each member with a certificate of recognition
b. Ms. Jacques recognized Amy Mitchell and Carol Bartlett for their work with the New Teacher Induction Program. Ms. Jacques presented them with certificates of recognition.

IV. Communications & Reports (24:00)
a. AES Implementation Committee Presentation – Members of the committee shared a presentation with the school committee on their work, findings to date, and upcoming work. Questions and feedback from committee members was shared.
b. Diversity, Equity, & Inclusion Presentation – The DEI committee, led by Ms. Jacques, offered a presentation to the school committee on their work, findings, and recommendations. Questions and comments by the committee followed.
c. Education Leadership, Superintendent McAndrews – The Superintendent provided an update to the committee on ongoing COVID-19 and masking protocols in the schools. Questions and comments by the committee followed.

V. New Business (1:19:00)

a. School Committee Action on Superintendent's Recommendation Regarding Amesbury High School Identifier – Superintendent McAndrews recapped her recommendation to the committee including changing the identifier and changing/utilizing policy CN. The committee first discussed the recommendation to retire the mascot/identifier. Each committee member had a chance to ask questions regarding the recommendation as well as share statements regarding their position. Discussions on the timeline of potential changes was also discussed.
Mr. Webster moved to accept the recommendation of the Superintendent to retire the current Amesbury High School identifier (the Indian) and authorize her to appoint a committee pursuant to policy CN to determine a new identifier, second by Ms. Currie. Vote: Yes, unanimous.

Ms. Currie moved to adjourn, second by Ms. Jurist Levy. Vote: Yes, unanimous.

AMESBURY SCHOOL COMMITTEE
SCHOOL COMMITTEE MEETING MINUTES
December 6, 2021

Present were Mayor Gove, Chair; Peter Hoyt, Mel Webster, Kate Currie, Maryann Welch, Elaine Bucher, and Superintendent Elizabeth McAndrews.

A video recording of this meeting can be viewed here: https://fb.watch/akj6shKXD0/

I. Call to Order/Moment of Silence/Mission Statement/Pledge of Allegiance (1:00:50)

II. Comments by Visitors and Delegations (1:01:35)
- Greg Noyes, 8 Clark's Rd – Mr. Noyes voiced his concern over the accuracy of the minutes the committee was scheduled to approve as well as posting of meetings of the Amesbury Elementary School Building Committee.

III. Communications & Reports (1:05:30)

a. Liaisons- No Amesbury SEPAC report was provided. Mr. Hoyt provided an update to the committee on behalf of the Amesbury Elementary School Building Committee including updates on approval of change orders, construction progress and timeline, contingency fund balance, supply chain challenges, and the upcoming beam signing.

b. Superintendent's Report – Superintendent McAndrews provided an update to the committee on ongoing data collection for her entry plan as well as COVID-19/Masking updates including changes to communications strategies. Questions and comments by the committee followed.

c. Subcommittees
1. Mr. Webster updated the committee on behalf of the Budget and Finance subcommittee including recommendations on S. Hampton tuition rates, surplus equipment, and transfers.
2. Ms. Currie stated that the personnel subcommittee had not met since the last update.
3. Ms. Bucher had no update for the committee on the Buildings & Grounds subcommittee
4. Ms. Currie updated the committee on polices that had been reviewed by the Policy subcommittee and would be taken up by the full committee.
5. Ms. Welch provided an update from Teaching & Learning including information on grant approvals, recent PD days, teacher observations, and spotlight approvals.
6. Mr. Hoyt had no additional information to share on behalf of the AES Implementation Committee.

d. Other – Mayor Gove highlighted the fact that the building committee meetings were indeed posted as required. Ms. Currie also shared information from Robert's Rules of Order prescribing how minutes are prepared.

IV. New Business (1:48:40)

a. South Hampton Tuition – Ms. Liporto summarized the tuition rate, an increase of 2.92% for a rate of $13,724.34. Mr. Webster shared the recommendation of the Budget & Finance subcommittee (Favorable).
Mr. Webster moved to approve the tuition rate, second by Ms. Bucher. Vote: Yes, unanimous.

b. Approval to Surplus Technology Equipment – Ms. Liporto summarized the equipment to be surplused, which consisted of various technology parts, as well as, a planer with a value of $4,950.00. Mr. Webster shared the recommendation of the Budget & Finance subcommittee (Favorable).
Mr. Webster moved to approve the surplussing of the items, second by Ms. Welch. Vote: Yes, unanimous.

c. Policies submitted for a first reading: GBE, GBEB, GBEBC, GBG, GBJ, GBK, GBI – Ms. Currie summarized the policies on behalf of the policy subcommittee. The committee provided comments and feedback to the policy subcommittee.

d. Policy EBCFA – The policy was before the committee for a 2nd read.
Mr. Hoyt moved to approve, second by Ms. Bucher. Vote: Yes, unanimous.

V. Consent Agenda (2:02:05)

a. Minutes from Sept 20 & Oct 4. *Approved unanimously (Webster/Welch)*

b. Warrants: Nov 5 $600,453.97 | Nov 19 $664,453.11 | Nov 24 $653,574.65.
Approved unanimously (Hoyt/Welch)

c. Gifts & Donations - $2,000 from the Frank L. Currier Charitable Foundation (Janice Morse, Trustee) for the Windrush Riding Program.
Approved unanimously (Welch/Currie)

Mr. Hoyt moved to adjourn, second by Ms. Welch. Vote: Yes, unanimous.

AMESBURY SCHOOL COMMITTEE
SCHOOL COMMITTEE MEETING MINUTES
December 13, 2021

Present were Mayor Gove, Chair; Peter Hoyt, Mel Webster, Maryann Welch, Elaine Bucher, Anna Bailey, and Superintendent Elizabeth McAndrews.

A video recording of this meeting can be viewed here: https://fb.watch/aVb5kLAM8y/

I. Call to Order/Moment of Silence/Mission Statement/Pledge of Allegiance (1:00)

II. Comments by Visitors & Delegations (3:10)
- Greg Noyes, 8 Clarks Rd – Requested there be a report on ESSER spending.

III. School Committee Spotlights (5:20)
a. District Food Service Staff, sponsored by Heidi Gregoire – Superintendent McAndrews & Ms. Gregoire thanked the entire cafeteria workers across the district and presented each with a certificate of recognition.
b. Mel Webster, sponsored by Jennifer Sarno – Ms. Welch & Ms. Sarno presented Mel Webster with a Spotlight Certificate of Recognition in acknowledgement of his transparency and responsiveness to the community.

IV. Communications & Reports (13:00)
a. Director of Budget & Finance – Quarterly Budget Report – Joan Liporto, Director of Budget & Finance, provided a report on the current state of the FY '22 budget. Topics including the effect of increasing substitute pay, custodial overtime, utility costs, special education tuitions, and revolving accounts. Questions and comments by the committee followed.
b. Director of Facilities Report
    1. AMS Roof Update – Director of Facilities, Matt Bennett, updated the committee on a recent report that was completed on the Amesbury Middle School roof. Mr. Bennett highlighted the ongoing issues with the roof and proposed remedies. Questions by the committee followed.
    2. AHS Hot Water Boiler – Mr. Bennett also updated the committee on the status of one of the hot water boilers at the High School that has begun leaking and deteriorating. A quote to replace and remove the existing unit was received for $45,000. Questions by the committee followed.
c. Superintendent's Report – Superintendent McAndrews provided an update to the committee on COVID-19 response, including a new channel on the website, as well as changes in notification surrounding positive cases and close contacts. The Superintendent then recognized Dr. Catarius and Ms. Jacques to provide a presentation on student achievement. Questions and discussion regarding the presentation and testing results took place.

V. New Business (1:32:20)

a. Approval of Transfers – *Ms. Welch moved to approve the transfers in the amount of $297,828.00, second by Mr. Hoyt. Vote: Yes, unanimous.*
b. Policies submitted for first read: GBM, GCA, GCBB, GCBBB, GCBC, GCF GCG, JP. The committee received the above policies as a first read. Mr. Hoyt highlighted the additions/changes proposed by the Policy Subcommittee.
c. Approval of Goals
    1. School Committee Goals – Mayor Gove highlighted and summarized the goals developed by the school committee at their goals workshops including applicable action items. Mr. Hoyt suggested striking "across presentations" from goal #2(b).
    Mr. Webster moved to approve the school committee goals with the change suggested by Mr. Hoyt, second by Mr. Hoyt. Vote: Yes, unanimous.
    2. *Mr. Hoyt moved to approve the budget goals as presented, second by Mr. Webster. Vote; Yes, unanimous.*
d. Approval of funding source for AHS Hot Water Boiler - *Ms. Bucher moved to approve the funding of a new AHS hot water boiler for up to $45,000.00 from school choice funds, second by Mr. Hoyt. Vote: Yes, unanimous.*

Ms. Welch moved to suspend policy BDD, second by Mr. Webster. Vote: Yes, unanimous.

VI. Recognition of Accomplishment – Elaine Bucher (1:56:11) – The committee recognized and thanked Elaine Bucher for her service to the Amesbury School Committee. She was presented with gifts of thanks by the school committee and administration. Ms. Bucher reflected on her time as school committee member.

VII. Executive Session (2:02:20)
Pursuant to M.G.L. c. 30 A, section 21 (a) (3) for the purpose of discussing strategy as it relates to negotiations with the AFT – Teachers & Nurses Unit, as an open session may have a detrimental effect on the bargaining position of the Amesbury School Committee, as declared by the Chair;
Mr. Hoyt moved to enter executive session and return to open session for the purpose of adjournment, second by Ms. Welch. Vote: Yes, unanimous.

Upon returning from executive session Ms. Welch moved to adjourn, second by Ms. Bucher. Vote: Yes, unanimous.

Amesbury Public Schools

School Warrant

Printed On: 01/10/2022

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46423	121721	2021-12-31		ADAMS, WILLIAM	442-510-35-6200	ASCA	Check	$90.00
46423	78492	2021-09-30		AMERICAN COMMERCIAL APPLIANCE	100-317-4220-6240	ASCA	Check	$589.61
46423	637399	2021-11-12	221185	AMERICAN TRANSLATION PARTNERS	100-319-2320-6305	ASCA	Check	$65.00
46423	102521	2021-10-25		AMESBURY GOLF & COUNTRY CLUB	442-510-35-6200	ASCA	Check	$1,600.00
46423	22000128	2021-11-12		AMESBURY POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$384.00
46423	22000081	2021-09-30	221251	AMESBURY POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$384.00
							Vendor - AMESBURY POLICE DEPARTMENT Sub Total:	**$768.00**
46423	102021	2021-10-20	221474	AMESBURY PUBLIC LIBRARY	441-840-34-6510	ASCA	Check	$180.94
46423	AH05698114	2021-12-22	221834	APPLE, INC.	100-319-2320-6470	ASCA	Check	$300.00
46423	279307	2021-10-31	220420	ASSOCIATED ELEVATOR COMPANIES, INC.	100-317-4220-6240	ASCA	Check	$475.00
46423	279596	2021-11-22	220420	ASSOCIATED ELEVATOR COMPANIES, INC.	100-317-4220-6240	ASCA	Check	$1,175.00
							Vendor - ASSOCIATED ELEVATOR COMPANIES, INC. Sub Total:	**$1,650.00**
46423	28090	2021-12-03		B&B ALARM	100-317-4220-6440	ASCA	Check	$175.00
46423	195303703	2021-11-10	221554	B&H PHOTO AND VIDEO	640 0000 5001 00	ASCA	Check	$699.00
46423	12983	2021-07-01		B&R GLASS & MIRROR, LLC	441-811-35-6200	ASCA	Check	$190.73
46423	122321	2021-12-23		BROOKS, KAEL	216 4761 5710 22	ASCA	Check	$209.13
46423	4788	2021-12-18		BURDICK, BRETT	100-317-4220-6240	ASCA	Check	$325.00
46423	X109301121	2021-08-31		CHARTWELLS	454-400-30-6200	ASCA	Check	$19,217.62
46423	122221	2021-12-31		CHESLEY, GLENN	442-510-35-6200	ASCA	Check	$90.00
46423	60343	2021-12-01	220781	CHILDREN'S CENTER FOR COMMUNICATION	441-820-30-6320	ASCA	Check	$8,486.74
46423	21191	2021-11-06	221568	CITY GATE LANGUAGE SERVICES LLC	100-319-2320-6305	ASCA	Check	$393.60
46423	42135	2021-10-26	221764	CLIPPER TROPHIES	458-910-35-6430	ASCA	Check	$40.00
46423	9633212963	2021-09-08		COCA-COLA NORTHERN NEW ENGLAND	441-870-30-6400	ASCA	Check	$196.50
46423	9633213115	2021-10-22		COCA-COLA NORTHERN NEW ENGLAND	441-870-30-6400	ASCA	Check	$196.50
46423	9633213280	2021-11-05		COCA-COLA NORTHERN NEW ENGLAND	441-870-30-6400	ASCA	Check	$196.50
46423	9633213500	2021-12-03		COCA-COLA NORTHERN NEW ENGLAND	441-870-30-6400	ASCA	Check	$196.50
							Vendor - COCA-COLA NORTHERN NEW ENGLAND Sub Total:	**$786.00**
46423	ES00102858	2021-12-10		COLLEGE BOARD	441-810-35-6200	ASCA	Check	$2,428.00
46423	398834	2021-11-20	220699	COLLINS SPORTS MEDICINE	100-315-3510-6430	ASCA	Check	$665.51
46423	122221	2021-12-31		COLLINS, JOSEPH	442-510-35-6200	ASCA	Check	$132.00
46423	68765	2021-11-05		COMAK BROTHERS, INC.	100-317-4210-6460	ASCA	Check	$120.00
46423	122321	2021-12-23		COMCAST	441-850-30-6200	ASCA	Check	$63.52
46423	122321	2021-12-23		COMCAST	640 0000 5001 00	ASCA	Check	$228.25
46423	122121	2021-12-21		COMCAST	100-317-4130-6340	ASCA	Check	$10.37
							Vendor - COMCAST Sub Total:	**$302.14**
46423	343368	2021-10-22	221260	COMM-TRACT CORP.	458-910-30-6430	ASCA	Check	$3,962.90

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46423	121721	2021-12-31		CORRIGAN, PETER	442-510-35-6200	ASCA	Check	$35.00
46423	122221	2021-12-31		CORRIGAN, PETER	442-510-35-6200	ASCA	Check	$35.00
							Vendor - CORRIGAN, PETER Sub Total:	**$70.00**
46423	2111009847	2021-11-12		CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	-$157.15
46423	2111009545	2021-11-10	221144	CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$75.33
46423	2112014131	2021-12-28	221144	CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$77.99
46423	2111009846	2021-11-12	221144	CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$236.75
46423	2111009833	2021-11-12	221144	CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$284.71
							Vendor - CP BUILDING SUPPLY INC. Sub Total:	**$517.63**
46423	22120007	2021-12-01	220782	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$6,851.00
46423	22112251	2021-11-01	220783	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$4,636.00
46423	22122251	2021-12-01	220783	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$4,148.00
46423	22120040	2021-12-01	220784	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$6,851.00
46423	22120083	2021-12-01	220786	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$2,074.00
46423	22112302	2021-11-01	221097	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$7,657.00
46423	22122302	2021-12-01	221097	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$6,851.00
46423	220000290	2021-10-01	221274	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-3300-6330	ASCA	Check	$3,325.00
46423	220000400	2021-11-01	221274	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-3300-6330	ASCA	Check	$3,325.00
46423	220000186	2021-09-01	221570	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-2320-6305	ASCA	Check	$140.00
46423	220000187	2021-09-01	221570	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-2320-6305	ASCA	Check	$245.00
46423	220000360	2021-11-01	221570	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-2320-6305	ASCA	Check	$175.00
46423	22112409	2021-11-01	221907	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$8,892.00
46423	22122409	2021-12-01	221907	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$7,956.00
							Vendor - CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES Sub Total:	**$63,126.00**
46423	3061176A	2021-07-01		CROWN TROPHY	442-510-35-6200	ASCA	Check	$200.00
46423	091521	2021-09-15	221903	CRUZ, JESSICA L.	100-311-3300-6331	ASCA	Check	$190.08
46423	100121	2021-10-01		CULTURE7COACHING, INC	414-115-21-6300	ASCA	Check	$3,000.00
46423	48266	2021-10-28	220597	DAIGLE ENTERPRISES	100-317-4220-6240	ASCA	Check	$470.00
46423	48358	2021-10-20	220597	DAIGLE ENTERPRISES	100-317-4220-6240	ASCA	Check	$835.00
							Vendor - DAIGLE ENTERPRISES Sub Total:	**$1,305.00**
46423	120649	2021-09-16		DATA SHREDDER CORPORATION	100-314-2420-6250	ASCA	Check	$46.55
46423	APS20220003X	2021-12-16	220544	DECASTRO, ENID	100-319-2320-6305	ASCA	Check	$40.00
46423	011022	2022-01-10		DRAPER, HEATHER	454-400-30-6200	ASCA	Check	$71.80

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46423	2257	2021-11-23	221372	EDTECH SOLUTIONS, INC.	100-319-2320-6305	ASCA	Check	$2,968.75
46423	AMESBUR2102	2021-07-01		EDUCERE LLC	414-115-21-6300	ASCA	Check	$199.00
46423	ST10300393	2021-08-30		ENCORE HOLDINGS LLC	100-317-4220-6240	ASCA	Check	$187.75
46423	17234	2021-11-02	220283	ENE SYSTEMS	100-317-4220-6240	ASCA	Check	$18,292.00
46423	17863	2021-12-01	220283	ENE SYSTEMS	100-317-4220-6240	ASCA	Check	$18,292.00
						Vendor - ENE SYSTEMS Sub Total:		$36,584.00
46423	121421	2021-12-14	222003	FIRMES, JIM	100-314-2430-6430	ASCA	Check	$98.84
46423	1533	2021-11-23	221200	FLEET LEARNING, LLC	100-319-2320-6305	ASCA	Check	$600.00
46423	121421	2021-12-31		FRIEDMAN, MARK	442-510-35-6200	ASCA	Check	$132.00
46423	US150263	2022-01-01		FRONTLINE TECHNOLOGY GROUP, LLC	458-910-30-6430	ASCA	Check	$743.84
46423	US150262	2021-12-04		FRONTLINE TECHNOLOGY GROUP, LLC	458-910-30-6430	ASCA	Check	$1,200.00
						Vendor - FRONTLINE TECHNOLOGY GROUP, LLC Sub Total:		$1,943.84
46423	0228132	2021-11-03	221495	GANDER PUBLISHING	414-264-22-6300	ASCA	Check	$444.56
46423	121721	2021-12-31		GAYTON, JIM	442-510-35-6200	ASCA	Check	$132.00
46423	1110202101	2021-11-10		GESKUS STUDIOS & YEARBOOK PUBLISHING	441-855-30-6330	ASCA	Check	$1,000.00
46423	23001	2001-12-22		GONTHIER, MICHAEL R.	100-317-4230-6247	ASCA	Check	$476.96
46423	22976	2021-12-17		GONTHIER, MICHAEL R.	100-317-4230-6247	ASCA	Check	$696.14
46423	22971	2021-12-16		GONTHIER, MICHAEL R.	100-319-3300-6247	ASCA	Check	$57.84
46423	23012	2021-12-27		GONTHIER, MICHAEL R.	100-319-3300-6247	ASCA	Check	$73.23
46423	23017	2021-12-28		GONTHIER, MICHAEL R.	100-319-3300-6247	ASCA	Check	$340.50
						Vendor - GONTHIER, MICHAEL R. Sub Total:		$1,644.67
46423	10400	2021-12-01	220800	GUILD FOR HUMAN SERVICES, INC.	100-319-9301-6320	ASCA	Check	$27,122.83
46423	24647	2021-12-01		HARRYS AUTO REPAIR	100-319-3300-6247	ASCA	Check	$35.00
46423	AN01022	2021-11-29	221574	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$7,792.60
46423	AN01122	2021-11-29	221574	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$7,013.34
46423	01021	2021-11-29	221906	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$3,733.00
46423	01121	2021-11-29	221906	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$4,799.88
						Vendor - HAVERHILL PUBLIC SCHOOLS Sub Total:		$23,338.82
46423	002231	2021-11-23		HEALTH RESOURCES IN ACTION	216 4761 5780 22	ASCA	Check	$150.00
46423	4375820	2021-10-05	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$89.00
46423	17722	2021-10-19	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$183.91
46423	911637	2021-10-19	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$63.23
46423	8623494	2021-10-21	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$343.97
46423	5010741	2021-10-24	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$97.97
46423	1972773	2021-10-28		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$1,458.00
46423	2036729	2021-11-16		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$471.17
46423	6200274	2021-11-22		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	-$122.07
46423	7030687	2021-12-01		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$99.89
46423	7520791	2021-12-01	220150	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$88.40
46423	5514623	2021-12-03		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$99.00
						Vendor - HOME DEPOT CREDIT SERVICES Sub Total:		$2,872.47
46423	955427460	2021-09-14	221014	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$779.85

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46423	955424846	2021-09-14	221014	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$779.85
46423	955417131	2021-09-14	221014	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,060.80
46423	955418446	2021-09-14	221014	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,745.90
46423	955423192	2021-09-14	221015	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,039.81
46423	955426184	2021-09-14	221015	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,039.81
46423	955418445	2021-09-14	221015	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,679.60
46423	955418447	2021-09-14	221015	HOUGHTON MIFFLIN COMPANY	100-318-2110-6510	ASCA	Check	$1,900.60
						Vendor - HOUGHTON MIFFLIN COMPANY Sub Total:		**$10,026.22**
46423	2350422AMEKMO	2021-12-12	221575	JUSTICE RESOURCE INSTITUTE	441-820-30-6320	ASCA	Check	$9,270.24
46423	2250422AMEJDE	2021-12-12	221576	JUSTICE RESOURCE INSTITUTE	441-820-30-6320	ASCA	Check	$9,270.24
						Vendor - JUSTICE RESOURCE INSTITUTE Sub Total:		**$18,540.48**
46423	121821	2021-12-31		KERRIGAN, MICHAEL	442-510-35-6200	ASCA	Check	$90.00
46423	1001556041	2021-08-23	220466	KIDS DISCOVER	100-313-2430-6430	ASCA	Check	$1,580.04
46423	122221	2021-12-31		KIM, TAE	442-510-35-6200	ASCA	Check	$66.00
46423	122221	2021-12-22		KNIGHT OIL INC	100-317-4120-6210	ASCA	Check	$376.74
46423	010522	2022-01-05		KNIGHT OIL INC	100-317-4120-6210	ASCA	Check	$625.24
						Vendor - KNIGHT OIL INC Sub Total:		**$1,001.98**
46423	32344	2021-11-30	221287	LANDMARK SCHOOL	441-820-30-6320	ASCA	Check	$5,889.78
46423	31679	2021-11-30	221288	LANDMARK SCHOOL	441-820-30-6320	ASCA	Check	$6,216.99
						Vendor - LANDMARK SCHOOL Sub Total:		**$12,106.77**
46423	110121	2021-11-01	221669	LBK TRANSPORTATION CO., INC.	100-319-3300-6330	ASCA	Check	$16,460.00
46423	17536	2021-12-01	220788	LEARNING SKILLS ACADEMY	441-820-30-6320	ASCA	Check	$3,386.61
46423	17537	2021-12-01	220789	LEARNING SKILLS ACADEMY	441-820-30-6320	ASCA	Check	$3,886.61
						Vendor - LEARNING SKILLS ACADEMY Sub Total:		**$7,273.22**
46423	Q4425814	2021-11-10	222067	LEXIA LEARNING SYSTEMS, LLC	458-910-32-6430	ASCA	Check	$5,000.00
46423	7926291	2021-11-15	221490	LINDAMOOD-BELL LEARNING PROCESSES	414-264-22-6300	ASCA	Check	$950.00
46423	20721	2021-11-05	221544	LTR TUTORING ASSOCIATES, LLC	414-252-22-6300	ASCA	Check	$2,375.00
46423	010122	2022-01-01	220958	MACINTIRE, JENNIFER L.	100-318-2357-6750	ASCA	Check	$1,000.00
46423	7857	2021-11-08	220975	MASS GENERAL PHYSICIANS ORGANIZATION, INC.	100-319-2320-6305	ASCA	Check	$1,226.00
46423	4131996	2021-12-06	220790	MAY INSTITUTE INC.	441-820-30-6320	ASCA	Check	$3,136.64
46423	4062164	2021-11-10	220790	MAY INSTITUTE INC.	441-820-30-6320	ASCA	Check	$10,644.00
46423	4145828	2021-12-09	220790	MAY INSTITUTE INC.	441-820-30-6320	ASCA	Check	$9,047.40
						Vendor - MAY INSTITUTE INC. Sub Total:		**$22,828.04**
46423	119889035001	2021-09-30	220607	MCGRAW HILL LLC	441-811-35-6200	ASCA	Check	$1,484.37
46423	119948911001	2021-10-05	220607	MCGRAW HILL LLC	441-811-35-6200	ASCA	Check	$1,507.81
46423	119620124001	2021-09-22	220607	MCGRAW HILL LLC	441-811-35-6200	ASCA	Check	$1,508.17
						Vendor - MCGRAW HILL LLC Sub Total:		**$4,500.35**
46423	0035063	2021-12-01	220791	MELMARK NEW ENGLAND	441-820-30-6320	ASCA	Check	$8,807.19
46423	0035064	2021-12-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$24,587.65
46423	0035064	2021-12-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$11,515.76
46423	0035064	2021-12-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$4,419.84

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
						Vendor - MELMARK NEW ENGLAND Sub Total:		$49,330.44
46423	202110	2021-11-04	220793	MERRIMAC HEIGHTS ACADEMY,INC.	441-820-30-6320	ASCA	Check	$8,558.99
46423	21171DV	2021-10-18	221458	MERRIMAC POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$396.00
46423	211186DV	2021-11-15		MERRIMAC POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$396.00
						Vendor - MERRIMAC POLICE DEPARTMENT Sub Total:		$792.00
46423	13878	2021-11-30	221872	MIRACLE FARM SPEECH THERAPY LLC	414-252-22-6300	ASCA	Check	$780.00
46423	13615	2021-10-31	220897	MIRACLE FARM SPEECH THERAPY LLC	100-319-2320-6305	ASCA	Check	$191.25
						Vendor - MIRACLE FARM SPEECH THERAPY LLC Sub Total:		$971.25
46423	1048	2021-11-13		MROZ, TIMOTHY JAMES JR.	216 4761 5316 22	ASCA	Check	$2,000.00
46423	FY22KMF	2021-11-18	220447	MSAA, INC.	100-313-2210-6730	ASCA	Check	$300.00
46423	110121	2021-12-16	220599	MURPHY, LAMERE & MURPHY, P.C.	100-310-1430-6310	ASCA	Check	$966.00
46423	23031IHS522	2021-10-28		NATIONAL GRID	441-811-35-6200	ASCA	Check	$395.37
46423	23031IHS622	2021-11-30		NATIONAL GRID	441-811-35-6200	ASCA	Check	$550.96
46423	34004ST622	2021-12-28		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$17.26
46423	12003ST622	2021-12-28		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$134.50
46423	65006MT622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$256.56
46423	25009EL622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$10.06
46423	09006EL622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$10.27
46423	93010EL622	2021-12-22		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$172.76
46423	76007CA622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$10.49
46423	84001CA622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$10.49
46423	26040MS622	2021-12-22		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$42.86
46423	31001MS622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$10,698.85
46423	70002HS622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$9.64
46423	78001HS622	2021-12-22		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$54.85
46423	76007HS622	2021-12-29		NATIONAL GRID	100-317-4130-6220	ASCA	Check	$17,631.02
						Vendor - NATIONAL GRID Sub Total:		$30,005.94
46423	16404138	2021-11-01	221457	NCS PEARSON, INC.	414-252-22-6420	ASCA	Check	$322.03
46423	16494283	2021-11-30	221685	NCS PEARSON, INC.	414-252-22-6420	ASCA	Check	$250.00
46423	16526966	2021-12-09	221686	NCS PEARSON, INC.	414-252-22-6420	ASCA	Check	$976.50
46423	16419320	2021-11-04	221494	NCS PEARSON, INC.	100-319-2800-6430	ASCA	Check	$55.00
						Vendor - NCS PEARSON, INC. Sub Total:		$1,603.53
46423	AME1221F	2021-10-15	220794	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$5,862.11
46423	AME1221P	2021-10-15	220795	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$5,862.11
46423	AME1221R	2021-10-15	220796	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$5,862.11
						Vendor - NEW ENGLAND ACADEMY, LLC Sub Total:		$17,586.33
46423	246645	2021-07-31	220974	NEW ENGLAND CENTER FOR CHILDREN, INC	100-319-2320-6305	ASCA	Check	$79.90
46423	248231	2021-10-31	220974	NEW ENGLAND CENTER FOR CHILDREN, INC	100-319-2320-6305	ASCA	Check	$79.90
						Vendor - NEW ENGLAND CENTER FOR CHILDREN, INC Sub Total:		$159.80
46423	22000114	2021-11-02		NEWBURYPORT POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$280.00
46423	220000153	2021-11-30		NEWBURYPORT POLICE DEPARTMENT	442-510-35-6200	ASCA	Check	$720.00

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
						Vendor - NEWBURYPORT POLICE DEPARTMENT Sub Total:		$1,000.00
46423	287037	2021-11-17	221588	NEXT-GEN SUPPLY GROUP, INC.	100-312-4110-6450	ASCA	Check	$880.00
46423	28336001	2021-11-19	221341	NEXT-GEN SUPPLY GROUP, INC.	100-313-4110-6450	ASCA	Check	$312.00
46423	287259	2021-11-17	221597	NEXT-GEN SUPPLY GROUP, INC.	100-314-4110-6450	ASCA	Check	$662.75
46423	285586	2021-11-05		NEXT-GEN SUPPLY GROUP, INC.	100-321-4110-6450	ASCA	Check	$107.50
						Vendor - NEXT-GEN SUPPLY GROUP, INC. Sub Total:		$1,962.25
46423	11700	2021-11-30		NORTH READING TRANSPORTATION	100-311-3300-6331	ASCA	Check	$1,075.00
46423	9680	2021-09-30	221671	NORTH READING TRANSPORTATION	100-319-3300-6330	ASCA	Check	$1,288.00
46423	10837	2021-10-31	221671	NORTH READING TRANSPORTATION	100-319-3300-6330	ASCA	Check	$1,587.00
46423	11701	2021-11-30	221671	NORTH READING TRANSPORTATION	100-319-3300-6330	ASCA	Check	$1,391.50
						Vendor - NORTH READING TRANSPORTATION Sub Total:		$5,341.50
46423	111221	2021-11-12	221034	NORTHEAST ARC	100-319-2320-6305	ASCA	Check	$337.50
46423	041911	2021-12-06	220798	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$4,964.00
46423	041913	2021-12-06	220799	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$9,010.00
46423	041443	2021-11-02	221261	NORTHSHORE EDUCATION CONSORTIUM	100-310-9300-6320	ASCA	Check	$2,160.00
46423	041912	2021-12-06	221261	NORTHSHORE EDUCATION CONSORTIUM	100-310-9300-6320	ASCA	Check	$2,040.00
46423	041441	2021-11-02	221271	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$5,256.00
46423	041909	2021-12-06	221271	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$4,964.00
46423	041877	2021-11-09	221363	NORTHSHORE EDUCATION CONSORTIUM	100-319-2320-6305	ASCA	Check	$1,350.00
46423	042371	2021-12-10	221363	NORTHSHORE EDUCATION CONSORTIUM	100-319-2320-6305	ASCA	Check	$1,500.00
46423	042345	2021-11-30	221908	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$4,964.00
46423	041910	2021-12-06	221908	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$4,964.00
						Vendor - NORTHSHORE EDUCATION CONSORTIUM Sub Total:		$41,172.00
46423	122221	2021-12-22		PAPA, RICHARD	100-317-4220-6440	ASCA	Check	$129.90
46423	122321	2021-12-23		PAPA, RICHARD	100-317-4220-6440	ASCA	Check	$63.74
						Vendor - PAPA, RICHARD Sub Total:		$193.64
46423	122221	2021-12-31		PARE, SETH	442-510-35-6200	ASCA	Check	$90.00
46423	087243	2021-11-01	221577	PERKINS SCHOOL FOR THE BLIND	441-820-30-6320	ASCA	Check	$25,086.88
46423	3314710026	2021-11-25	220962	PITNEY BOWES GLOBAL FINANCIAL SERV LLC	100-315-2420-6250	ASCA	Check	$426.66
46423	298C165B0001	2021-12-08		PRINCIPAL CENTER	100-314-2210-6730	ASCA	Check	$1,269.00
46423	121821	2021-12-31		PROVENCHER, WILLIAM	442-510-35-6200	ASCA	Check	$60.00
46423	011022	2022-01-10		PURCHASE POWER	100-310-1210-6341	ASCA	Check	$500.00
46423	011022	2022-01-10		PURCHASE POWER	100-319-2110-6780	ASCA	Check	$500.00
						Vendor - PURCHASE POWER Sub Total:		$1,000.00
46423	117809	2021-12-03	221284	QBS LLC	100-319-2320-6305	ASCA	Check	$116.00
46423	029076	2021-09-27	221284	QBS LLC	100-319-2320-6305	ASCA	Check	$2,550.00
						Vendor - QBS LLC Sub Total:		$2,666.00
46423	121421	2021-12-31		QUINN, MIKE	442-510-35-6200	ASCA	Check	$132.00
46423	01J0441070463	2021-11-02	220618	READY REFRESH BY NESTLE	100-310-1210-6420	ASCA	Check	$27.75
46423	01K0441070463	2021-12-02	220618	READY REFRESH BY NESTLE	100-310-1210-6420	ASCA	Check	$10.68
46423	11J0439673005	2021-11-02	220618	READY REFRESH BY NESTLE	100-321-2430-6430	ASCA	Check	$119.76

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46423	11J0429878499	2021-11-02	220116	READY REFRESH BY NESTLE	100-315-2210-6420	ASCA	Check	$68.57
46423	11K0429878499	2021-12-02	220116	READY REFRESH BY NESTLE	100-315-2210-6420	ASCA	Check	$39.83
						Vendor - READY REFRESH BY NESTLE Sub Total:		$266.59
46423	211201140538000 31	2021-11-30	221578	RIVERVIEW SCHOOL	441-820-30-6320	ASCA	Check	$8,065.64
46423	S3456268001	2021-11-03		ROCKINGHAM ELECTRIC SUPPLY CO, INC.	100-317-4220-6440	ASCA	Check	$127.13
46423	S3449106001	2021-10-27		ROCKINGHAM ELECTRIC SUPPLY CO, INC.	100-317-4220-6440	ASCA	Check	$213.57
						Vendor - ROCKINGHAM ELECTRIC SUPPLY CO, INC. Sub Total:		$340.70
46423	2110190830	2021-10-19		ROLCO REFRIGERATION, INC.	100-317-4220-6240	ASCA	Check	$210.00
46423	21690	2021-10-04	221250	SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$2,037.50
46423	21731	2021-10-13	221366	SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$4,179.00
46423	21366	2021-07-01	221452	SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$779.01
46423	21765	2021-10-25	221459	SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$4,376.75
46423	21785	2021-10-31		SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$3,317.50
46423	9053T	2021-10-01	221023	SALTER TRANSPORTATION INC.	441-855-30-6330	ASCA	Check	$6,000.00
46423	10141T	2021-11-01	221023	SALTER TRANSPORTATION INC.	441-855-30-6330	ASCA	Check	$6,000.00
46423	11329T	2021-12-01	221023	SALTER TRANSPORTATION INC.	441-855-30-6330	ASCA	Check	$6,000.00
46423	21858	2021-12-13	221963	SALTER TRANSPORTATION INC.	100-315-3520-6300	ASCA	Check	$300.00
46423	9053	2021-10-01	221023	SALTER TRANSPORTATION INC.	100-311-3300-6330	ASCA	Check	$55,178.00
46423	10141	2021-11-01	221023	SALTER TRANSPORTATION INC.	100-311-3300-6330	ASCA	Check	$55,178.00
46423	11329	2021-12-01	221023	SALTER TRANSPORTATION INC.	100-311-3300-6330	ASCA	Check	$55,178.00
						Vendor - SALTER TRANSPORTATION INC. Sub Total:		$198,523.76
46423	14514	2021-12-07	220905	SANKEY MEINELT & FISHER, LLP	100-319-1430-6311	ASCA	Check	$300.00
46423	121821	2021-12-31		SCHENCK, BRYAN	442-510-35-6200	ASCA	Check	$90.00
46423	31780	2021-09-30		SEACOAST LEARNING COLLABORATIVE, INC.	100-319-3300-6330	ASCA	Check	$1,170.00
46423	S12240	2021-10-31	221579	SEEM COLLABORATIVE	441-820-30-6320	ASCA	Check	$12,109.50
46423	S12420	2021-11-30	221579	SEEM COLLABORATIVE	441-820-30-6320	ASCA	Check	$9,094.50
46423	83884	2021-12-01	221099	SEEM COLLABORATIVE	100-319-9400-6320	ASCA	Check	$6,171.00
46423	CM83624	2021-11-30		SEEM COLLABORATIVE	100-319-9400-6320	ASCA	Check	-$363.00
						Vendor - SEEM COLLABORATIVE Sub Total:		$27,012.00
46423	74560	2021-11-17		SHERWIN-WILLIAMS CO.	100-317-4220-6440	ASCA	Check	$85.97
46423	83026	2021-12-15		SHERWIN-WILLIAMS CO.	100-317-4220-6440	ASCA	Check	$283.23
46423	77704	2021-12-14		SHERWIN-WILLIAMS CO.	100-317-4220-6440	ASCA	Check	$343.72
						Vendor - SHERWIN-WILLIAMS CO. Sub Total:		$712.92
46423	121721	2021-12-31		SMAILA, SERGE	442-510-35-6200	ASCA	Check	$132.00
46423	11504	2021-12-09		SMART JR., DANIEL GENE	442-510-35-6200	ASCA	Check	$500.00
46423	11505	2021-12-09		SMART JR., DANIEL GENE	442-510-35-6200	ASCA	Check	$500.00
46423	11506	2021-12-09		SMART JR., DANIEL GENE	442-510-35-6200	ASCA	Check	$600.00
						Vendor - SMART JR., DANIEL GENE Sub Total:		$1,600.00
46423	70927525	2021-12-30		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$334.50
46423	70927526	2021-12-30		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$2,822.86
46423	70927527	2021-12-30		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$2,724.66

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46423	70927178	2021-12-29		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$2,615.53
46423	70927179	2021-12-29		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$5,073.70
46423	70927529	2021-12-30		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$201.84
46423	70927528	2021-12-30		SPRAGUE OPERATING RESOURCES LLC	100-317-4120-6210	ASCA	Check	$6,560.72
						Vendor - SPRAGUE OPERATING RESOURCES LLC Sub Total:		$20,333.81
46423	209329	2021-10-31	220801	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,405.20
46423	209461	2021-11-30	220801	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,084.94
46423	209328	2021-10-31	220802	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,405.20
46423	209460	2021-11-30	220802	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,084.94
46423	209327	2021-10-31	220803	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,405.20
46423	209459	2021-11-30	220803	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$6,084.94
						Vendor - ST. ANNS HOME, INC. Sub Total:		$37,470.42
46423	S119424652001	2021-11-16		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$134.88
46423	S119354006001	2021-11-05		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$285.48
46423	S119362761003	2021-11-22		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$389.90
46423	S119362761001	2021-11-08		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$664.90
46423	S119362761002	2021-11-12		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$1,305.00
						Vendor - STANDARD ELECTRIC Sub Total:		$2,780.16
46423	MAH368	2021-12-15	221103	STAPLES TECHNOLOGY SOLUTIONS	441-800-30-6200	ASCA	Check	$423.00
46423	LVR707	2021-10-21	221103	STAPLES TECHNOLOGY SOLUTIONS	441-800-30-6200	ASCA	Check	$3,147.00
46423	MAX910	2021-12-21	221103	STAPLES TECHNOLOGY SOLUTIONS	441-800-30-6200	ASCA	Check	$17,945.00
46423	MBX258	2022-01-05	221329	STAPLES TECHNOLOGY SOLUTIONS	458-910-30-6430	ASCA	Check	$22,796.00
						Vendor - STAPLES TECHNOLOGY SOLUTIONS Sub Total:		$44,311.00
46423	122221	2021-12-31		SULLIVAN, MICHAEL	442-510-35-6200	ASCA	Check	$66.00
46423	11709	2021-11-12	220688	TALENT ASSESSMENT, INC.	441-820-30-6780	ASCA	Check	$28,090.60
46423	1913	2021-11-08	221486	TRANSLATIONS.BOSTON, INC.	100-319-2320-6305	ASCA	Check	$425.40
46423	121721	2021-12-31		TREPANIER, DAN	442-510-35-6200	ASCA	Check	$90.00
46423	001592	2021-08-24		TRI STATE LOCK & SAFE	100-317-4220-6240	ASCA	Check	$1,950.50
46423	0033835	2021-12-10		TRISTATE GENERATOR, LLC	100-317-4220-6240	ASCA	Check	$255.00
46423	0033841	2021-12-13		TRISTATE GENERATOR, LLC	100-317-4220-6240	ASCA	Check	$440.00
46423	0033842	2021-12-13		TRISTATE GENERATOR, LLC	100-317-4220-6240	ASCA	Check	$334.50
46423	0033843	2021-12-13		TRISTATE GENERATOR, LLC	100-317-4220-6240	ASCA	Check	$325.00
46423	0033844	2021-12-13		TRISTATE GENERATOR, LLC	100-317-4220-6240	ASCA	Check	$325.00
						Vendor - TRISTATE GENERATOR, LLC Sub Total:		$1,679.50
46423	4800622	2021-12-20		VERIZON	100-317-4130-6340	ASCA	Check	$941.91
46423	0928622	2021-12-20		VERIZON	100-317-4130-6340	ASCA	Check	$52.97
46423	4479622	2021-12-20		VERIZON	100-317-4130-6340	ASCA	Check	$83.20
46423	4961622	2021-12-20		VERIZON	100-317-4130-6340	ASCA	Check	$84.41
						Vendor - VERIZON Sub Total:		$1,162.49
46423	9895827368	2021-11-24		VERIZON WIRELESS	100-317-4130-6340	ASCA	Check	$623.59
46423	122221	2021-12-31		VETROE, MATT	442-510-35-6200	ASCA	Check	$132.00
46423	4519645	2021-11-02	221455	VOYAGER SOPRIS LEARNING	414-252-22-6420	ASCA	Check	$2,237.30

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46423	225713909	2021-12-07		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$5.99
46423	225634675	2021-12-03		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$9.36
46423	225648081	2021-12-03		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$23.52
46423	224887566	2021-11-05		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$88.14
46423	225599767	2021-12-02		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$144.05
46423	225203004	2021-11-17	220701	W.B. MASON COMPANY, INC.	100-312-2430-6430	ASCA	Check	$11.94
46423	225121575	2021-11-15	220701	W.B. MASON COMPANY, INC.	100-312-2430-6430	ASCA	Check	$17.80
46423	225284484	2021-11-19	220701	W.B. MASON COMPANY, INC.	100-312-2430-6430	ASCA	Check	$19.22
46423	225285720	2021-11-19	221285	W.B. MASON COMPANY, INC.	100-312-2430-6430	ASCA	Check	$1,155.20
46423	225299275	2021-11-19	221606	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$167.05
46423	225299275	2021-11-19	221606	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$83.62
46423	225545138	2021-12-01	221681	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$31.32
46423	225505038	2021-11-30	221681	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$425.49
46423	224819092	2021-11-03	221460	W.B. MASON COMPANY, INC.	100-319-2110-6420	ASCA	Check	$104.97
46423	224819092	2021-11-03	221460	W.B. MASON COMPANY, INC.	100-319-2110-6420	ASCA	Check	$56.97
46423	225388592	2021-11-23		W.B. MASON COMPANY, INC.	100-321-2430-6430	ASCA	Check	$448.20
							Vendor - W.B. MASON COMPANY, INC. Sub Total:	**$2,792.84**
46423	110121	2021-11-01	221186	WHITTEMORE, ELIZABETH	414-240-22-6300	ASCA	Check	$1,282.50
46423	1888295	2021-10-25	221202	WILSON LANGUAGE TRAINING CO.	414-240-21-6420	ASCA	Check	$729.86
46423	1895385	2021-11-19	221557	WILSON LANGUAGE TRAINING CO.	414-252-22-6420	ASCA	Check	$391.39
							Vendor - WILSON LANGUAGE TRAINING CO. Sub Total:	**$1,121.25**
46423	2NDB.D.	2021-12-03	221100	WINDHAM WOODS SCHOOL	100-319-9200-6320	ASCA	Check	$10,375.00
46423	2NDB.H.	2021-12-03	221101	WINDHAM WOODS SCHOOL	100-319-9200-6320	ASCA	Check	$9,625.00
							Vendor - WINDHAM WOODS SCHOOL Sub Total:	**$20,000.00**
46423	10979	2021-10-20	221382	WINSOR LEARNING, INC.	414-252-22-6420	ASCA	Check	$1,204.50
46423	0504931	2021-11-30	221246	WORK OPPORTUNITIES UNLIMITED CONTRACTS, INC	100-319-2320-6305	ASCA	Check	$605.00
							Total:	**$916,306.79**

Amesbury Public Schools

School Warrant

Printed On: 01/10/2022

Invoice Packet Summary By Account

Account Number	Account Description	Number of Items	Amount
100-310-1210-6341	SUPT - POSTAGE	1	$500.00
100-310-1210-6420	SUPT - SUPPLIES & MATERIALS	8	$309.49
100-310-1430-6310	LEGAL SERVICES	1	$966.00
100-310-9300-6320	SUPT NONPUBLIC SCHOOL	2	$4,200.00
100-311-3300-6330	TRANSPORTATION SERVICES	6	$165,534.00
100-311-3300-6331	MCKINNEY-VENTO TRANSPORTATION	2	$1,265.08
100-312-2430-6430	AE TEACHER SUPPLIES	4	$1,204.16
100-312-4110-6450	AE CUSTODIAN SUPPLIES	1	$880.00
100-313-2210-6730	CE PRINCIPAL DUES & MEMBERSHIPS	1	$300.00
100-313-2430-6430	CE TEACHER SUPPLIES	1	$1,580.04
100-313-4110-6450	CE CUSTODIAN SUPPLIES	1	$312.00
100-314-2210-6730	MS PRINCIPAL DUES & MEMBERSHIPS	1	$1,269.00
100-314-2420-6250	AMS CONTRACTED EQUIPMT MAINT	1	$46.55
100-314-2430-6430	MS TEACHER SUPPLIES	6	$806.32
100-314-4110-6450	MS CUSTODIAN SUPPLIES	1	$662.75
100-315-2210-6420	HS PRINCIPAL SUPPLIES	2	$108.40
100-315-2420-6250	AHS CONTRACTED EQUIPMT MAINT	1	$426.66
100-315-2430-6430	HS TEACHER SUPPLIES	6	$866.48
100-315-3510-6430	ATHLETICS SUPPLIES	1	$665.51
100-315-3520-6300	HS EXTRACURRICULAR CONTRACTED	1	$300.00
100-317-4120-6210	HEATING OF BUILDINGS	9	$21,335.79
100-317-4130-6220	ELECTRICITY	13	$29,059.61
100-317-4130-6340	TELEPHONE	6	$1,796.45
100-317-4210-6460	GROUNDS MAINT SUPPLIES	1	$120.00
100-317-4220-6240	BLDG MAINT CONTRACTED	16	$44,481.36

Account Number	Account Description	Number of Items	Amount
100-317-4220-6440	BLDG MAINT SUPPLIES	23	$6,726.04
100-317-4230-6247	TRUCK MAINTENANCE	2	$1,173.10
100-318-2110-6510	CURRICULUM TEXTBOOKS	8	$10,026.22
100-318-2357-6750	CURR - COURSE REIMBURSEMENT	1	$1,000.00
100-319-1430-6311	SPED LEGAL SERVICES	1	$300.00
100-319-2110-6420	SPED OFFICE SUPPLIES	2	$161.94
100-319-2110-6780	SPED SUPERVISORY OTHER	1	$500.00
100-319-2320-6305	SPED CONTRACTUAL SERVICES	19	$13,088.30
100-319-2320-6470	NON-CAPITAL EQUIPMENT	1	$300.00
100-319-2800-6430	PSYCHOLOGICAL SUPPLIES	1	$55.00
100-319-3300-6247	VEHICLE MAINTENANCE/REPAIRS	4	$506.57
100-319-3300-6330	SPED TRANSPORTATION SERVICES	7	$28,546.50
100-319-9100-6320	SPED TUITION IN-STATE SCHOOLS	4	$23,338.82
100-319-9200-6320	SPED TUITION OUT OF STATE SCHLS	2	$20,000.00
100-319-9301-6320	TUITION RESIDENTIAL	4	$67,646.08
100-319-9400-6320	SPED TUITION COLLABORATIVES	17	$95,846.00
100-321-2430-6430	APS - INNOVATION HIGH SCHOOL TEACHER SUPPLIES	4	$567.96
100-321-4110-6450	APS - INNOVATION HIGH SCHOOL CUSTODIAN SUPPLIES	1	$107.50
216 4761 5316 22	DRUG FREE COMMUNITIES FY '22 Contractual	1	$2,000.00
216 4761 5710 22	DRUG FREE COMMUNITIES FY '22 Travel	1	$209.13
216 4761 5780 22	DRUG FREE COMMUNITIES FY '22 Other Expenses	1	$150.00
414-115-21-6300	Contracted Services- ESSERII	2	$3,199.00
414-240-21-6420	SUPPLIES - SPED IDEA 2021	1	$729.86
414-240-22-6300	CONTRACTED SERVICES - SPED IDEA 2022	1	$1,282.50
414-252-22-6300	CONTRACTED SERVICES - ARPA IDEA 2022	2	$3,155.00
414-252-22-6420	SUPPLIES - ARPA IDEA 2022	6	$5,381.72
414-264-22-6300	CONTRACTED SERVICES - IDEA ARP 2022	2	$1,394.56
441-800-30-6200	EXPENSES - SCHOOL CHOICE	9	$21,515.00

Account Number	Account Description	Number of Items	Amount
441-810-35-6200	REVOLVING EXPENSES - SOUTH HAMPTON TUITION	1	$2,428.00
441-811-35-6200	PURCHASE OF SERV - INNOVATION HS TUITION REVOLVING	6	$5,637.41
441-820-30-6320	TUITON - CIRCUIT BREAKER	34	$196,014.70
441-820-30-6780	OTHER - CIRCUIT BREAKER	1	$28,090.60
441-840-34-6510	EXP - MS LOST BOOKS REVOLVING	1	$180.94
441-850-30-6200	EXPENSES - DIST BUILDING USE	1	$63.52
441-855-30-6330	SERVICES - TRANSP REVOLVING	7	$19,000.00
441-870-30-6400	EXPENSES - VENDING MACHINES	4	$786.00
442-510-35-6200	EXPENSES - ATHLETICS REVOLVING	33	$22,243.76
454-400-30-6200	EXPENSES - SCHOOL LUNCH	2	$19,289.42
458-910-30-6430	EXP - DIST GIFTS & DONATIONS	4	$28,702.74
458-910-32-6430	EXP - AE GIFTS & DONATIONS	1	$5,000.00
458-910-35-6430	EXP - HS GIFTS & DONATIONS	1	$40.00
640 0000 5001 00	Cable Public Access Enterprise Expenditures	2	$927.25
		Total:	**$916,306.79**

Amesbury Public Schools

School Warrant

Printed On: 01/10/2022

Invoice Packet Summary By Fund

Fund Number	Fund Description	Amount
100	General Fund	$548,885.68
216	Federal Culture & Rec	$2,359.13
414	Federal Education	$15,142.64
441	Revolving Education	$273,716.17
442	Revolving Athletics	$22,243.76
454	Other Special Revenue Sch Lunch	$19,289.42
458	Other Special Revenue Gifts Ed	$33,742.74
640	Cable Public Access	$927.25
	Total:	**$916,306.79**

Amesbury Public Schools

School Warrant

Printed On: 01/10/2022

Pay to each of the persons named in the above warrant, dated: 01/10/2022, the accompanying sums set against their respective names, amounting in the aggregate to $916,306.79 and charge the same to the accounts indicated.

AUTHORIZED SIGNATURES:

_____ _____

_____ _____

_____ _____

_____

School Committee

Payroll Warrant Detail
City Of Amesbury

Warrant #: SCH PR 1/14/22
Effective Date: 01/14/2022, Fiscal Year: 2022

To the Treasurer:

Pay to each of the persons named in the above warrant, dated: 01/14/2022, the accompanying sums set against their respective names, amounting in the aggregate to $584,334.98 and charge the same to the appropriations or accounts indicated.

AUTHORIZED SIGNATURES:

_____

Mayor

_____

C.F.O.

Payroll Warrant Detail
City Of Amesbury

Warrant #: SCH PR 1/14/22
Effective Date: 01/14/2022, Fiscal Year: 2022

Account #	Account Description	Line Description	Amount
100 0000 2120 00	FEDERAL TAX WITHHOLDING	01-14-2022 School Payroll	-$68,309.21
100 0000 2121 00	MEDICARE WITHHOLDING	01-14-2022 School Payroll	-$12,086.27
100 0000 2122 00	OBRA	01-14-2022 School Payroll	-$1,326.72
100 0000 2130 00	STATE WITHHOLDING	01-14-2022 School Payroll	-$38,130.14
100 0000 2141 00	RETIREMENT-SCHOOL	01-14-2022 School Payroll	-$92,353.87
100 0000 2147 00	VISION INS W/H	01-14-2022 School Payroll	-$418.10
100 0000 2148 00	HEALTH INS W/H	01-14-2022 School Payroll	-$57,287.90
100 0000 2157 00	SCHOOL ADMIN - LONG TERM DISAB	01-14-2022 School Payroll	$0.00
100 0000 2162 00	ACCIDENT INS - TOWN	01-14-2022 School Payroll	-$11.22
100 0000 2164 00	LIFE INSURANCE	01-14-2022 School Payroll	-$148.62
100 0000 2165 00	Extra Insurance	01-14-2022 School Payroll	-$180.55
100 0000 2168 00	DELTA DENTAL	01-14-2022 School Payroll	-$4,907.09
100 0000 2169 00	OPTIONAL LIFE INS. TOWN	01-14-2022 School Payroll	-$1,011.78
100 0000 2169 00	OPTIONAL LIFE INS. TOWN	01-14-2022 School Payroll	-$1,035.77
		Account # - 100 0000 2169 00 Sub Total:	**-$2,047.55**
100 0000 2171 00	TERM INSURANCE TOWN	01-14-2022 School Payroll	-$711.29
100 0000 2173 00	DISABILITY INSURANCE-TOWN	01-14-2022 School Payroll	-$213.80
100 0000 2175 00	CRITICAL ILLNESS PLAN-TOWN	01-14-2022 School Payroll	-$211.75
100 0000 2178 00	DISABILITY -AFLAC - SCHOOL	01-14-2022 School Payroll	-$99.12
100 0000 2190 00	UNION DUES PAYABLE DPW	01-14-2022 School Payroll	$0.00
100 0000 2194 00	UNION DUES PAYABLE TEACHERS	01-14-2022 School Payroll	-$7,642.54
100 0000 2260 00	UNITED FUND	01-14-2022 School Payroll	-$13.00
100 0000 2280 00	DEFERRED COMPENSATION-TSA	01-14-2022 School Payroll	-$30,020.48
100 0000 2280 00	DEFERRED COMPENSATION-TSA	01-14-2022 School Payroll	-$2.76
		Account # - 100 0000 2280 00 Sub Total:	**-$30,023.24**
100 0000 2290 00	GARNISHMENT	01-14-2022 School Payroll	$0.00
100 0000 2291 00	FSADC - FLEX SPEND DEPEND-SCH	01-14-2022 School Payroll	-$1,213.54
100 0000 2292 00	FSAHS - FLEX SPEND HEALTH-SCH	01-14-2022 School Payroll	-$6,174.41
100 0134 5110 00	Administration & Finance Salaries & Wages	01-14-2022 School Payroll	$941.61
100 0155 5110 00	MIS Salaries & Wages	01-14-2022 School Payroll	$1,486.26
100-310-1110-6150	SCHOOL COMMITTEE SECRETARY	01-14-2022 School Payroll	$192.31
100-310-1210-6101	SUPERINTENDENT	01-14-2022 School Payroll	$6,807.69
100-310-1210-6150	SUPT - SECRETARIES	01-14-2022 School Payroll	$2,163.23
100-310-1410-6106	DIRECTOR OF FINANCE & OPERATIONS	01-14-2022 School Payroll	$5,081.51
100-310-1410-6150	BUSINESS OFFICE STAFF	01-14-2022 School Payroll	$4,540.78
100-310-3200-6165	HEALTH - STIPENDS	01-14-2022 School Payroll	$384.62
100-310-5550-6159	CROSSING GUARDS	01-14-2022 School Payroll	$1,755.21
100-312-2210-6107	AE PRINCIPAL	01-14-2022 School Payroll	$4,826.92

Account #	Account Description	Line Description	Amount
100-312-2210-6150	AE SECRETARY	01-14-2022 School Payroll	$1,743.18
100-312-2210-6151	AE CLERICAL SUPPORT	01-14-2022 School Payroll	$1,338.54
100-312-2305-6110	AE TEACHER SALARIES	01-14-2022 School Payroll	$64,990.46
100-312-2305-6111	AE SPED TEACHER SALARIES	01-14-2022 School Payroll	$23,573.30
100-312-2320-6111	AE SPED MED/THERAPEUTIC PROF SALARIES	01-14-2022 School Payroll	$9,778.26
100-312-2320-6131	AE SPED MED/THERAPEUTIC ASST SALARIES	01-14-2022 School Payroll	$1,043.25
100-312-2325-6155	AE SUBSTITUTE TEACHERS	01-14-2022 School Payroll	$500.00
100-312-2325-6156	AE SPED SUBSTITUTES	01-14-2022 School Payroll	$312.50
100-312-2330-6130	AE TEACHER ASSISTANTS	01-14-2022 School Payroll	$3,103.87
100-312-2330-6131	AE SPED TCHR ASSISTANTS	01-14-2022 School Payroll	$21,323.58
100-312-2330-6156	AE SPED ASST SUBSTITUTES	01-14-2022 School Payroll	$437.50
100-312-2340-6120	AE LIBRARY SALARY	01-14-2022 School Payroll	$1,135.29
100-312-2351-6110	AE INSTRUCTIONAL COACHES	01-14-2022 School Payroll	$385.24
100-312-2710-6125	AE GUIDANCE SALARY	01-14-2022 School Payroll	$3,491.33
100-312-2800-6128	AE PSYCHOLOGIST SALARY	01-14-2022 School Payroll	$1,769.71
100-312-3200-6135	AE HEALTH SALARY	01-14-2022 School Payroll	$2,540.46
100-312-4110-6145	AE CUSTODIAN SALARIES	01-14-2022 School Payroll	$4,331.34
100-313-2210-6107	CE PRINCIPAL	01-14-2022 School Payroll	$4,465.96
100-313-2210-6150	CE SECRETARY	01-14-2022 School Payroll	$2,151.39
100-313-2210-6151	CE CLERICAL SUPPORT	01-14-2022 School Payroll	$1,299.98
100-313-2305-6110	CE TEACHER SALARIES	01-14-2022 School Payroll	$78,606.48
100-313-2305-6111	CE SPED TEACHER SALARIES	01-14-2022 School Payroll	$27,050.81
100-313-2310-6110	CASHMAN SPECIALIST TEACHER SALARY	01-14-2022 School Payroll	$3,827.49
100-313-2320-6111	CE SPED MED/THERAPEUTIC PROF SALARIES	01-14-2022 School Payroll	$7,565.14
100-313-2320-6131	CE SPED MED/THERAPEUTIC ASST SALARIES	01-14-2022 School Payroll	$2,632.33
100-313-2325-6155	CE SUBSTITUTE TEACHERS	01-14-2022 School Payroll	$1,450.00
100-313-2325-6156	CE SPED SUBSTITUTES	01-14-2022 School Payroll	$337.50
100-313-2330-6130	CE TEACHER ASSISTANTS	01-14-2022 School Payroll	$5,031.57
100-313-2330-6156	CE SPED SUBSTITUTES	01-14-2022 School Payroll	$250.00
100-313-2340-6120	CE LIBRARY SALARY	01-14-2022 School Payroll	$2,582.24
100-313-2351-6110	CE INSTRUCTIONAL COACHES	01-14-2022 School Payroll	$385.24
100-313-2710-6125	CE GUIDANCE SALARY	01-14-2022 School Payroll	$3,459.87
100-313-2800-6128	CE PSYCHOLOGIST SALARY	01-14-2022 School Payroll	$1,769.71
100-313-3200-6135	CE HEALTH SALARY	01-14-2022 School Payroll	$3,292.51
100-313-4110-6145	CE CUSTODIAN SALARIES	01-14-2022 School Payroll	$4,350.57
100-313-4110-6147	CE CUSTODIAN OVERTIME	01-14-2022 School Payroll	$402.90
100-314-2210-6107	MS PRINCIPAL	01-14-2022 School Payroll	$12,196.15
100-314-2210-6150	MS SECRETARIES	01-14-2022 School Payroll	$5,956.87
100-314-2305-6110	MS TEACHER SALARIES	01-14-2022 School Payroll	$137,753.17
100-314-2305-6111	MS SPED TEACHER SALARIES	01-14-2022 School Payroll	$39,604.98
100-314-2310-6110	AMS SPECIALIST TEACHER SALARY	01-14-2022 School Payroll	$1,478.83
100-314-2320-6111	AMS SPED MED/THERAPEUTIC PROF SALARIES	01-14-2022 School Payroll	$2,787.97
100-314-2324-6155	MS LONG TERM SUBSTITUTES	01-14-2022 School Payroll	$2,826.20

Account #	Account Description	Line Description	Amount
100-314-2325-6155	MS SUBSTITUTE TEACHERS	01-14-2022 School Payroll	$2,875.00
100-314-2330-6131	MS SPED TCHR ASSISTANTS	01-14-2022 School Payroll	$19,884.37
100-314-2330-6156	MS SPED ASST SUBSTITUTES	01-14-2022 School Payroll	$750.00
100-314-2340-6120	MS LIBRARY SALARY	01-14-2022 School Payroll	$4,086.25
100-314-2351-6110	AMS INSTRUCTIONAL COACHES	01-14-2022 School Payroll	$1,838.81
100-314-2710-6125	MS GUIDANCE SALARIES	01-14-2022 School Payroll	$9,287.49
100-314-2800-6128	MS PSYCHOLOGIST SALARY	01-14-2022 School Payroll	$1,479.14
100-314-3200-6135	MS HEALTH SALARY	01-14-2022 School Payroll	$2,458.39
100-314-3400-6138	MS CAFETERIA MONITORS	01-14-2022 School Payroll	$1,705.92
100-314-4110-6145	MS CUSTODIAN SALARIES	01-14-2022 School Payroll	$4,340.96
100-314-4110-6147	MS CUSTODIAN OVERTIME	01-14-2022 School Payroll	$707.40
100-315-2210-6107	HS PRINCIPAL	01-14-2022 School Payroll	$12,861.00
100-315-2210-6150	HS SECRETARIES	01-14-2022 School Payroll	$3,941.95
100-315-2210-6151	HS CLERICAL SUPPORT	01-14-2022 School Payroll	$2,322.53
100-315-2305-6110	HS TEACHER SALARIES	01-14-2022 School Payroll	$89,080.38
100-315-2305-6111	HS SPED TEACHER SALARIES	01-14-2022 School Payroll	$26,442.88
100-315-2310-6110	AHS SPECIALIST TEACHER SALARY	01-14-2022 School Payroll	$1,478.83
100-315-2324-6155	HS LONG TERM SUBSTITUTES	01-14-2022 School Payroll	$1,413.10
100-315-2325-6155	HS SUBSTITUTE TEACHERS	01-14-2022 School Payroll	$1,500.00
100-315-2325-6156	HS SPED SUBSTITUTES	01-14-2022 School Payroll	$125.00
100-315-2330-6131	HS SPED TCHR ASSISTANTS	01-14-2022 School Payroll	$11,068.62
100-315-2340-6120	HS LIBRARY SALARY	01-14-2022 School Payroll	$3,273.53
100-315-2340-6122	HS AUDIO VISUAL STIPENDS	01-14-2022 School Payroll	$1,444.38
100-315-2340-6130	HS LIBRARY ASSISTANTS SALARIES	01-14-2022 School Payroll	$1,344.39
100-315-2710-6125	HS GUIDANCE SALARIES	01-14-2022 School Payroll	$10,323.77
100-315-2710-6150	HS GUIDANCE SECRETARY	01-14-2022 School Payroll	$1,370.73
100-315-2800-6128	HS PSYCHOLOGIST SALARY	01-14-2022 School Payroll	$1,479.18
100-315-3200-6135	HS HEALTH SALARY	01-14-2022 School Payroll	$2,659.58
100-315-3400-6138	HS CAFETERIA MONITORS	01-14-2022 School Payroll	$1,731.69
100-315-3600-6138	HS DETENTION MONITORS	01-14-2022 School Payroll	$105.00
100-315-4110-6145	HS CUSTODIAN SALARIES	01-14-2022 School Payroll	$4,273.65
100-316-2250-6144	IT TECHNICIANS	01-14-2022 School Payroll	$2,520.55
100-317-4220-6146	MAINTENANCE SALARIES	01-14-2022 School Payroll	$7,550.34
100-317-4220-6148	MAINTENANCE OVERTIME	01-14-2022 School Payroll	$1,716.03
100-318-2110-6105	CURRICULUM SUPERVISOR	01-14-2022 School Payroll	$5,178.03
100-318-2110-6150	CURRICULUM SECRETARY	01-14-2022 School Payroll	$2,399.70
100-319-2110-6106	SPED DIRECTOR OF SERVICES	01-14-2022 School Payroll	$4,923.08
100-319-2110-6150	SPED SECRETARY	01-14-2022 School Payroll	$4,012.69
100-319-2120-6105	OUR OF DISTRICT COORDINATOR	01-14-2022 School Payroll	$3,129.07
100-319-2320-6111	BCBA SALARY	01-14-2022 School Payroll	$5,372.69
100-319-2320-6131	DIRECT HOME SERVICES SALARY	01-14-2022 School Payroll	$277.50
100-319-3300-6157	SPED TRANSP COORDINATOR	01-14-2022 School Payroll	$1,783.32
100-319-3300-6158	SPED VAN DRIVERS	01-14-2022 School Payroll	$3,571.72

Account #	Account Description	Line Description	Amount
100-320-5200-6175	MEDICARE TAX - EMPLOYERS SHARE	01-14-2022 School Payroll	-$12,086.32
100-320-5200-6175	MEDICARE TAX - EMPLOYERS SHARE	01-14-2022 School Payroll	$12,086.32
		Account # - 100-320-5200-6175 Sub Total:	**$0.00**
100-321-2210-6107	APS - INNOVATION HIGH SCHOOL PRINCIPAL	01-14-2022 School Payroll	$3,867.96
100-321-2210-6150	APS - INNOVATION HIGH SCHOOL SECRETARY	01-14-2022 School Payroll	$1,306.50
100-321-2305-6110	APS - INNOVATION HIGH SCHOOL TEACHER SALARIES	01-14-2022 School Payroll	$9,880.44
100-321-2305-6111	APS - INNOVATION HIGH SCHOOL SPED TEACHER SALARIES	01-14-2022 School Payroll	$5,471.35
100-321-2710-6125	APS - INNOVATION HIGH SCHOOL GUIDANCE SALARY	01-14-2022 School Payroll	$3,596.64
100-321-3200-6135	APS - INNOVATION HIGH SCHOOL NURSE SALARY	01-14-2022 School Payroll	$2,650.83
414-115-21-6110	TEACHERS - ESSER II 2021	01-14-2022 School Payroll	$9,780.52
414-115-21-6165	STIPENDS - ESSER II 2021	01-14-2022 School Payroll	$822.70
414-140-22-6110	TEACHERS SALARIES - TITLE IIA 2022	01-14-2022 School Payroll	$2,247.44
414-240-22-6130	SUPPORT STAFF - SPED IDEA 2022	01-14-2022 School Payroll	$21,798.34
414-252-22-6110	TEACHERS SALARIES - ARPA IDEA 2022	01-14-2022 School Payroll	$3,661.86
414-262-22-6130	SUPPORT STAFF - EARLY CHILD 2022	01-14-2022 School Payroll	$879.84
414-305-22-6110	TEACHERS - TITLE I 2022	01-14-2022 School Payroll	$6,486.61
414-305-22-6130	SUPPORT STAFF - TITLE I 2022	01-14-2022 School Payroll	$1,908.43
414-309-22-6165	STIPEND - TITLE IV 2022	01-14-2022 School Payroll	$375.00
441-800-30-6110	TEACHERS - SCHOOL CHOICE	01-14-2022 School Payroll	$21,573.87
441-810-35-6110	TEACHERS - SOUTH HAMPTON TUITION	01-14-2022 School Payroll	$12,139.83
441-811-35-6110	TEACHERS - INNOVATION HS TUITION REVOLVING	01-14-2022 School Payroll	$1,013.32
441-815-30-6110	TEACHERS - PREK TUITION	01-14-2022 School Payroll	$2,957.65
441-850-30-6100	EXPENSES - DIST BUILDING USE PERSONAL SERVICES	01-14-2022 School Payroll	$398.94
640 0000 5110 00	Cable Public Access Salaries & Wages	01-14-2022 School Payroll	$1,444.39
		Total:	**$584,334.98**

City Of Amesbury

Warrant #: SCH PR 1/14/22

Effective Date: 01/14/2022

Warrant Summary By Fund

Fund Number	Fund Description	Amount
100	General Fund	$496,846.24
414	Federal Education	$47,960.74
441	Revolving Education	$38,083.61
640	Cable Public Access	$1,444.39
	Total:	**$584,334.98**

Amesbury Public Schools

School Warrant

Printed On: 01/24/2022

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	122321	2021-12-23		ACEVEDO, ANITA	216 4761 5710 22	ASCA	Check	$177.75
46687	020122	2022-01-21	220122	ALL SAINTS ANGLICAN CHURCH	100-321-5350-6780	ASCA	Check	$8,250.00
46687	905653	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$102.98
46687	904623	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$112.54
46687	904787	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$100.12
46687	904858	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$374.08
46687	905077	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$203.84
46687	905246	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$87.62
46687	905473	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$140.57
46687	905587	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$34.78
46687	905623	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$73.94
46687	905669	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-317-4220-6440	ASCA	Check	$37.18
46687	905047	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-321-4110-6450	ASCA	Check	$55.86
46687	905272	2021-12-31		AMESBURY INDUSTRIAL SUPPLY CO.	100-321-4110-6240	ASCA	Check	$114.39
						Vendor - AMESBURY INDUSTRIAL SUPPLY CO. Sub Total:		$1,437.90
46687	010422	2022-01-11		ANDREWS, JOHN	442-510-35-6200	ASCA	Check	$90.00
46687	450388	2021-08-27		ARBOR SCIENTIFIC	100-315-2430-6430	ASCA	Check	$29.60
46687	28303	2022-01-01		B&B ALARM	100-317-4220-6240	ASCA	Check	$480.00
46687	28302	2022-01-01		B&B ALARM	100-317-4220-6440	ASCA	Check	$480.00
46687	28300	2022-01-01		B&B ALARM	100-317-4220-6440	ASCA	Check	$480.00
46687	28301	2022-01-01		B&B ALARM	100-317-4220-6440	ASCA	Check	$480.00
						Vendor - B&B ALARM Sub Total:		$1,920.00
46687	3786229X	2021-07-01		BAUDVILLE	441-811-35-6200	ASCA	Check	$20.65
46687	010422	2022-01-11		BEAULIEU, ROGER	442-510-35-6200	ASCA	Check	$35.00
46687	010922	2022-01-11		BEAULIEU, ROGER	442-510-35-6200	ASCA	Check	$35.00
						Vendor - BEAULIEU, ROGER Sub Total:		$70.00
46687	13508	2021-11-30	220896	BIRCHTREE CENTER FOR CHILDREN	100-319-9200-6320	ASCA	Check	$2,000.00
46687	13557	2021-11-30	220896	BIRCHTREE CENTER FOR CHILDREN	100-319-9200-6320	ASCA	Check	$4,395.00
46687	13572	2021-12-31	220896	BIRCHTREE CENTER FOR CHILDREN	100-319-9200-6320	ASCA	Check	$7,965.00
						Vendor - BIRCHTREE CENTER FOR CHILDREN Sub Total:		$14,360.00
46687	436882	2022-01-07	220700	BUDGET BUSINESS MACHINES	100-310-4230-6250	ASCA	Check	$25.00
46687	436882	2022-01-07	220700	BUDGET BUSINESS MACHINES	100-312-2420-6250	ASCA	Check	$230.06
46687	436882	2022-01-07	220700	BUDGET BUSINESS MACHINES	100-313-2420-6250	ASCA	Check	$290.29
46687	436882	2022-01-07	220700	BUDGET BUSINESS MACHINES	100-314-2420-6250	ASCA	Check	$405.40
46687	436882	2022-01-07	220700	BUDGET BUSINESS MACHINES	100-315-2420-6250	ASCA	Check	$429.25
						Vendor - BUDGET BUSINESS MACHINES Sub Total:		$1,380.00

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	4799	2022-01-06		BURDICK, BRETT	441-811-35-6200	ASCA	Check	$550.00
46687	4793	2022-01-03		BURDICK, BRETT	100-317-4220-6440	ASCA	Check	$740.00
							Vendor - BURDICK, BRETT Sub Total:	**$1,290.00**
46687	112921	2022-01-05	221672	CELLEMARE, MARCUS	100-319-3300-6330	ASCA	Check	$798.38
46687	X109300322	2021-12-31		CHARTWELLS	454-400-30-6200	ASCA	Check	$61,193.23
46687	60458	2022-01-01	220781	CHILDREN'S CENTER FOR COMMUNICATION	441-820-30-6320	ASCA	Check	$9,984.40
46687	39213196	2022-01-10	220284	CIT	100-313-2420-6250	ASCA	Check	$941.61
46687	21361	2021-12-24	222005	CITY GATE LANGUAGE SERVICES LLC	100-319-2320-6305	ASCA	Check	$20.00
46687	011222	2022-01-12		CITY OF NEWBURYPORT	216 4761 5780 22	ASCA	Check	$2,640.00
46687	362817	2021-11-15		COAST MAINTENANCE SUPPLY	100-317-4210-6460	ASCA	Check	$536.55
46687	362818	2021-11-15		COAST MAINTENANCE SUPPLY	100-317-4210-6460	ASCA	Check	$536.55
46687	362819	2021-11-15		COAST MAINTENANCE SUPPLY	100-317-4210-6460	ASCA	Check	$536.55
							Vendor - COAST MAINTENANCE SUPPLY Sub Total:	**$1,609.65**
46687	011022	2022-01-10		COMCAST	441-811-35-6200	ASCA	Check	$810.98
46687	70035730	2021-12-31		COMMONWEALTH OF MASSACHUSETTS	100-319-3300-6300	ASCA	Check	$25.20
46687	6154	2022-01-18	220282	COMPLETE CLEANING CO, INC.	100-317-4220-6240	ASCA	Check	$34,213.00
46687	122321	2022-01-11		CORRIGAN, PETER	442-510-35-6200	ASCA	Check	$35.00
46687	012022	2022-01-20		COSTELLO, TIA	442-510-35-6200	ASCA	Check	$285.00
46687	2201014614	2022-01-03		CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$38.82
46687	2201015360	2022-01-12		CP BUILDING SUPPLY INC.	100-317-4220-6440	ASCA	Check	$157.14
							Vendor - CP BUILDING SUPPLY INC. Sub Total:	**$195.96**
46687	22010007	2022-01-01	220782	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$8,060.00
46687	22012251	2022-01-01	220783	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$4,880.00
46687	22010040	2022-01-01	220784	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$8,060.00
46687	22010083	2022-01-01	220786	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$2,440.00
46687	22012302	2022-01-01	221097	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$8,060.00
46687	22012409	2022-01-01	221907	CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES	100-319-9400-6320	ASCA	Check	$9,360.00
							Vendor - CREST COLLABORATIVE REGIONAL EDUCATIONAL SERVICES Sub Total:	**$40,860.00**
46687	AMS20220004	2021-11-22	220544	DECASTRO, ENID	100-319-2320-6305	ASCA	Check	$40.00
46687	APS20220005	2022-01-04	220544	DECASTRO, ENID	100-319-2320-6305	ASCA	Check	$40.00
							Vendor - DECASTRO, ENID Sub Total:	**$80.00**
46687	14481	2022-01-01	220192	DEMOULAS SUPERMARKETS, INC.	100-315-2430-6430	ASCA	Check	$411.60
46687	14480	2022-01-01	220193	DEMOULAS SUPERMARKETS, INC.	100-315-2430-6430	ASCA	Check	$92.65
							Vendor - DEMOULAS SUPERMARKETS, INC. Sub Total:	**$504.25**
46687	011122	2022-01-11		DESANTIS, GIA	442-510-35-6200	ASCA	Check	$285.00
46687	8071	2021-11-19		E-RATE ONLINE, LLC	458-910-30-6430	ASCA	Check	$2,000.00
46687	18391	2022-01-01	220283	ENE SYSTEMS	100-317-4220-6240	ASCA	Check	$18,292.00
46687	011922	2022-01-19		FEDORCHAK, LARRY	100-317-4130-6340	ASCA	Check	$45.00

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	010922	2022-01-11		FERGUSON, DANIEL	442-510-35-6200	ASCA	Check	$90.00
46687	386114	2021-12-07	221553	FOLLETT SCHOOL SOLUTIONS	100-314-2415-6520	ASCA	Check	$604.97
46687	1769090	2021-12-28		FORD MOTOR CREDIT COMPANY LLC	441-811-35-6200	ASCA	Check	$12,349.68
46687	1769005	2021-12-22		FORD MOTOR CREDIT COMPANY LLC	100-319-3300-6270	ASCA	Check	$12,098.23
						Vendor - FORD MOTOR CREDIT COMPANY LLC Sub Total:		$24,447.91
46687	011122	2022-01-21	220189	FURLONG, MARGARET	100-315-2430-6430	ASCA	Check	$303.23
46687	120121	2022-01-11	220191	FURLONG, MARGARET	100-315-2357-6300	ASCA	Check	$57.33
						Vendor - FURLONG, MARGARET Sub Total:		$360.56
46687	2384	2021-12-31		G.L.S. ASSOCIATES, INC.	442-510-35-6200	ASCA	Check	$9,065.00
46687	0229288/252	2022-01-06	222064	GANDER PUBLISHING	414-252-22-6420	ASCA	Check	$589.95
46687	0229288	2022-01-06	222064	GANDER PUBLISHING	414-264-22-6300	ASCA	Check	$448.55
						Vendor - GANDER PUBLISHING Sub Total:		$1,038.50
46687	122321	2022-01-11		GEARY, HAL	442-510-35-6200	ASCA	Check	$90.00
46687	089660	2021-11-18	220848	GREAT MINDS	414-115-21-6780	ASCA	Check	$49,040.67
46687	089661	2021-11-18	220847	GREAT MINDS	414-115-21-6780	ASCA	Check	$60,699.66
46687	090404	2021-11-30	220846	GREAT MINDS	414-115-21-6780	ASCA	Check	$10,219.91
46687	090408	2021-11-30	221682	GREAT MINDS	100-318-2110-6430	ASCA	Check	$1,049.50
46687	090407	2021-11-30	221682	GREAT MINDS	100-318-2110-6430	ASCA	Check	$5,037.65
46687	090406	2021-11-30	221682	GREAT MINDS	100-318-2110-6430	ASCA	Check	$4,407.95
						Vendor - GREAT MINDS Sub Total:		$130,455.34
46687	10753	2022-01-01	220800	GUILD FOR HUMAN SERVICES, INC.	100-319-9301-6320	ASCA	Check	$27,122.83
46687	11707	2021-12-14		GUMMOW AND SONS, INC.	100-317-4220-6440	ASCA	Check	$1,339.64
46687	010422	2022-01-11		HALE, ALAN	442-510-35-6200	ASCA	Check	$66.00
46687	AN01222	2022-01-03	221574	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$6,623.71
46687	01221	2022-01-03	221906	HAVERHILL PUBLIC SCHOOLS	100-319-9100-6320	ASCA	Check	$4,533.23
						Vendor - HAVERHILL PUBLIC SCHOOLS Sub Total:		$11,156.94
46687	1901920	2021-12-07		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$458.00
46687	180479	2021-12-08		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	-$229.00
46687	904055	2021-12-08		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$259.92
46687	9341429	2021-12-09		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$833.00
46687	7012499	2021-12-11	220182	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$40.24
46687	6522041	2021-12-12	220150	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$20.31
46687	2514158	2021-12-16	220150	HOME DEPOT CREDIT SERVICES	100-315-2430-6430	ASCA	Check	$39.36
46687	1032671	2021-12-17		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$344.86
46687	1032695	2021-12-17		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$34.66
46687	1074250	2021-12-17		HOME DEPOT CREDIT SERVICES	100-317-4220-6440	ASCA	Check	$79.92
						Vendor - HOME DEPOT CREDIT SERVICES Sub Total:		$1,881.27
46687	363779173	2021-11-11	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$3.20
46687	363917818	2022-01-10	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$3.99
46687	363917817	2022-01-10	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$4.99
46687	363903291	2022-01-06	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$4.99
46687	363825650	2021-12-01	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$11.25

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	363901421	2022-01-05	220302	J.W. PEPPER	100-315-2430-6430	ASCA	Check	$25.50
46687	363792324	2021-11-16	220609	J.W. PEPPER	100-314-2430-6430	ASCA	Check	$22.50
46687	363829548	2021-12-02	220609	J.W. PEPPER	100-314-2430-6430	ASCA	Check	$24.99
46687	363790650	2021-11-15	220609	J.W. PEPPER	100-314-2430-6430	ASCA	Check	$167.46
							Vendor - J.W. PEPPER Sub Total:	**$268.87**
46687	123121	2021-12-31	221905	JORDAN, SEAN	100-319-3300-6330	ASCA	Check	$500.00
46687	2350522AMEKMO	2021-12-15	221575	JUSTICE RESOURCE INSTITUTE	441-820-30-6320	ASCA	Check	$8,971.20
46687	2250522AMEJDE	2021-12-15	221576	JUSTICE RESOURCE INSTITUTE	441-820-30-6320	ASCA	Check	$8,971.20
							Vendor - JUSTICE RESOURCE INSTITUTE Sub Total:	**$17,942.40**
46687	00756718	2021-12-21	221836	KEIVER-WILLARD LUMBER CORP.	100-315-2410-6430	ASCA	Check	$1,600.00
46687	00756718	2021-12-21	221836	KEIVER-WILLARD LUMBER CORP.	100-315-2410-6430	ASCA	Check	$287.50
46687	00756718	2021-12-21	221836	KEIVER-WILLARD LUMBER CORP.	100-315-2410-6430	ASCA	Check	$31.80
							Vendor - KEIVER-WILLARD LUMBER CORP. Sub Total:	**$1,919.30**
46687	122121	2021-12-21		KETCHEN, CHRISTINE	100-311-3300-6331	ASCA	Check	$394.24
46687	011322	2022-01-13		KNIGHT OIL INC	100-317-4120-6210	ASCA	Check	$510.30
46687	012022	2022-01-20		KNIGHT OIL INC	100-317-4120-6210	ASCA	Check	$448.50
							Vendor - KNIGHT OIL INC Sub Total:	**$958.80**
46687	39157081	2022-01-03		KONICA MINOLTA BUSINESS SOLUTIONS	100-312-2420-6250	ASCA	Check	$4,261.68
46687	39157081	2022-01-03		KONICA MINOLTA BUSINESS SOLUTIONS	100-313-2420-6250	ASCA	Check	$4,261.68
							Vendor - KONICA MINOLTA BUSINESS SOLUTIONS Sub Total:	**$8,523.36**
46687	32399	2021-11-15		LAMONT'S TRUCKING CO., LLC	100-317-4220-6440	ASCA	Check	$500.00
46687	32345	2021-12-30	221287	LANDMARK SCHOOL	441-820-30-6320	ASCA	Check	$4,580.94
46687	31680	2021-12-30	221288	LANDMARK SCHOOL	441-820-30-6320	ASCA	Check	$4,908.15
							Vendor - LANDMARK SCHOOL Sub Total:	**$9,489.09**
46687	010122	2022-01-01	220287	LANG, SUSAN	100-316-1450-6710	ASCA	Check	$30.00
46687	120121	2021-12-01	221669	LBK TRANSPORTATION CO., INC.	100-319-3300-6330	ASCA	Check	$12,520.00
46687	84742	2021-11-30	221090	LEARN WELL	100-319-2320-6301	ASCA	Check	$140.00
46687	84740	2021-11-30	221090	LEARN WELL	100-319-2320-6301	ASCA	Check	$588.00
							Vendor - LEARN WELL Sub Total:	**$728.00**
46687	17659	2022-01-01	220788	LEARNING SKILLS ACADEMY	441-820-30-6320	ASCA	Check	$5,479.40
46687	17660	2022-01-01	220789	LEARNING SKILLS ACADEMY	441-820-30-6320	ASCA	Check	$5,979.40
							Vendor - LEARNING SKILLS ACADEMY Sub Total:	**$11,458.80**
46687	SIN077376	2022-01-12	222070	LEXIA LEARNING SYSTEMS, LLC	458-910-32-6430	ASCA	Check	$5,000.00
46687	542809	2021-11-23	221555	LIBRARY STORE	100-315-2415-6520	ASCA	Check	$43.30
46687	542809	2021-11-23	221555	LIBRARY STORE	100-315-2415-6520	ASCA	Check	$68.30
46687	542809	2021-11-23	221555	LIBRARY STORE	100-315-2415-6520	ASCA	Check	$12.30
							Vendor - LIBRARY STORE Sub Total:	**$123.90**
46687	657	2022-01-17	222061	LINDAMOOD-BELL LEARNING PROCESSES	414-264-22-6300	ASCA	Check	$950.00
46687	0779331	2021-12-09	220900	MACGILL	100-312-3200-6500	ASCA	Check	$9.99
46687	0776798	2021-11-18	220900	MACGILL	100-312-3200-6500	ASCA	Check	$362.45
							Vendor - MACGILL Sub Total:	**$372.44**

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	010822	2022-01-11		MANCANIELLO, PAUL	442-510-35-6200	ASCA	Check	$90.00
46687	4221332	2022-01-05	220790	MAY INSTITUTE INC.	441-820-30-6320	ASCA	Check	$3,266.56
46687	4224535	2022-01-06	220790	MAY INSTITUTE INC.	441-820-30-6320	ASCA	Check	$10,644.00
						Vendor - MAY INSTITUTE INC. Sub Total:		**$13,910.56**
46687	122321	2022-01-10		MCANDREWS, PAT	442-510-35-6200	ASCA	Check	$66.00
46687	0000154	2022-01-11	222060	MCCOY, JOHNATHON E.	100-314-2450-6485	ASCA	Check	$750.00
46687	010422	2022-01-11		MELILLO, R. MICHAEL	442-510-35-6200	ASCA	Check	$90.00
46687	0035317	2022-01-01	220791	MELMARK NEW ENGLAND	441-820-30-6320	ASCA	Check	$10,361.40
46687	0035318	2022-01-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$24,587.65
46687	0035318	2022-01-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$10,514.39
46687	0035318	2022-01-01	220792	MELMARK NEW ENGLAND	100-319-9301-6320	ASCA	Check	$5,524.80
						Vendor - MELMARK NEW ENGLAND Sub Total:		**$50,988.24**
46687	20221	2021-12-07	220793	MERRIMAC HEIGHTS ACADEMY,INC.	441-820-30-6320	ASCA	Check	$10,069.40
46687	111281	2021-11-30		METROTEAM OUTFITTERS	100-315-3510-6430	ASCA	Check	$3,176.00
46687	010922	2022-01-11		MIANO, KENNETH A.	442-510-35-6200	ASCA	Check	$90.00
46687	13907	2021-12-31	220897	MIRACLE FARM SPEECH THERAPY LLC	100-319-2320-6305	ASCA	Check	$871.25
46687	7515489	2021-10-29	221456	MLCS, LTD	100-314-2420-6255	ASCA	Check	$179.70
46687	010122	2022-01-01	220288	MOISAN, JESSICA	100-316-1450-6710	ASCA	Check	$30.00
46687	050254	2021-07-01		MOTORTOWN AUTOMOTIVE PARTS/SUPP	441-800-30-6200	ASCA	Check	$24.76
46687	051287	2021-07-01		MOTORTOWN AUTOMOTIVE PARTS/SUPP	441-800-30-6200	ASCA	Check	$47.47
46687	055513	2021-07-23		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$12.99
46687	059975	2021-09-16		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$23.94
46687	063214	2021-10-25		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$37.75
46687	066710	2021-12-09		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$64.04
46687	067072	2021-12-14		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$42.06
46687	067618	2021-12-21		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$7.69
46687	068879	2022-01-10		MOTORTOWN AUTOMOTIVE PARTS/SUPP	100-317-4230-6247	ASCA	Check	$13.49
						Vendor - MOTORTOWN AUTOMOTIVE PARTS/SUPP Sub Total:		**$274.19**
46687	123121	2022-01-11	220599	MURPHY, LAMERE & MURPHY, P.C.	100-310-1430-6310	ASCA	Check	$1,638.00
46687	122321	2022-01-11		NAPOLITANO, RICH	442-510-35-6200	ASCA	Check	$90.00
46687	FY22	2021-12-21	221999	NATIONAL ENGLISH HONOR SOCIETY	100-315-2210-6430	ASCA	Check	$85.00
46687	23031IHS622X	2021-12-29		NATIONAL GRID	441-811-35-6200	ASCA	Check	$474.70
46687	17380EL622	2021-12-29		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$403.03
46687	17410EL622	2021-12-29		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$3,187.71
46687	12250CA622	2021-12-29		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$3,078.50
46687	11981MS622	2021-12-28		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$2,957.16
46687	12010MS622	2021-12-28		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$5,692.66
46687	19531HS622	2021-12-29		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$202.22
46687	19522HS622	2021-12-29		NATIONAL GRID	100-317-4120-6210	ASCA	Check	$7,347.58
						Vendor - NATIONAL GRID Sub Total:		**$22,868.86**
46687	16555478	2021-12-17	221899	NCS PEARSON, INC.	414-264-22-6420	ASCA	Check	$392.52
46687	AME0122F	2021-10-15	220794	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$6,896.60

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	AME0122P	2021-10-15	220795	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$6,896.60
46687	AME0122R	2021-10-15	220796	NEW ENGLAND ACADEMY, LLC	441-820-30-6320	ASCA	Check	$6,896.60
						Vendor - NEW ENGLAND ACADEMY, LLC Sub Total:		$20,689.80
46687	249393	2021-12-31	220974	NEW ENGLAND CENTER FOR CHILDREN, INC	100-319-2320-6305	ASCA	Check	$79.90
46687	2352194800	2021-12-22		NEW PIG CORPORATION	100-317-4220-6240	ASCA	Check	$841.88
46687	23387	2021-11-28	221381	NEWSELA	100-315-2450-6485	ASCA	Check	$4,380.00
46687	23387	2021-11-28	221381	NEWSELA	100-314-2450-6485	ASCA	Check	$4,860.00
						Vendor - NEWSELA Sub Total:		$9,240.00
46687	292259	2021-12-17	221839	NEXT-GEN SUPPLY GROUP, INC.	100-314-4110-6450	ASCA	Check	$2,200.00
46687	29226201	2022-01-05	221838	NEXT-GEN SUPPLY GROUP, INC.	100-315-4110-6450	ASCA	Check	$1,100.00
46687	292262	2021-12-17	221838	NEXT-GEN SUPPLY GROUP, INC.	100-315-4110-6450	ASCA	Check	$1,622.00
46687	292959	2021-12-22	221924	NEXT-GEN SUPPLY GROUP, INC.	100-317-4220-6440	ASCA	Check	$610.00
						Vendor - NEXT-GEN SUPPLY GROUP, INC. Sub Total:		$5,532.00
46687	13340	2021-12-31	221671	NORTH READING TRANSPORTATION	100-319-3300-6330	ASCA	Check	$1,073.35
46687	12784	2021-12-31		NORTH READING TRANSPORTATION	100-311-3300-6331	ASCA	Check	$1,602.52
						Vendor - NORTH READING TRANSPORTATION Sub Total:		$2,675.87
46687	2201003	2022-01-01	220798	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$5,840.00
46687	2201005	2022-01-01	220799	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$10,600.00
46687	2201001	2022-01-01	221271	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$5,840.00
46687	2201002	2022-01-01	221908	NORTHSHORE EDUCATION CONSORTIUM	100-319-9400-6320	ASCA	Check	$5,840.00
						Vendor - NORTHSHORE EDUCATION CONSORTIUM Sub Total:		$28,120.00
46687	012022	2022-01-20		OLIVER, LORA	100-319-9300-6320	ASCA	Check	$5,500.00
46687	012022	2022-01-20		OWENS, SIOBHAN	442-510-35-6200	ASCA	Check	$285.00
46687	010822	2022-01-11		PICANO, PAUL	442-510-35-6200	ASCA	Check	$90.00
46687	819149	2021-11-19	220595	PIONEER MANUFACTURING COMPANY	120 0300 5861 07	ASCA	Check	$2,725.00
46687	304743	2021-08-17		PROJECT LEAD THE WAY, INC.	458-910-34-6430	ASCA	Check	$950.00
46687	310374	2021-09-10		PROJECT LEAD THE WAY, INC.	458-910-34-6430	ASCA	Check	$950.00
						Vendor - PROJECT LEAD THE WAY, INC. Sub Total:		$1,900.00
46687	FY22	2021-11-01	220961	PROQUEST LLC	100-315-2415-6485	ASCA	Check	$1,194.39
46687	010822	2022-01-11		PROVENCHER, WILLIAM	442-510-35-6200	ASCA	Check	$60.00
46687	01L0441070463	2022-01-04	220618	READY REFRESH BY NESTLE	100-310-1210-6420	ASCA	Check	$39.13
46687	11L0439673005	2022-01-04	220618	READY REFRESH BY NESTLE	100-321-2430-6430	ASCA	Check	$179.64
46687	11L0429878499	2022-01-04	220116	READY REFRESH BY NESTLE	100-315-2210-6420	ASCA	Check	$37.13
						Vendor - READY REFRESH BY NESTLE Sub Total:		$255.90
46687	211221111554000 29	2021-12-31	221578	RIVERVIEW SCHOOL	441-820-30-6320	ASCA	Check	$6,232.54
46687	S3477358001	2021-12-10		ROCKINGHAM ELECTRIC SUPPLY CO, INC.	100-317-4220-6440	ASCA	Check	$50.18
46687	S3481275001	2021-12-17		ROCKINGHAM ELECTRIC SUPPLY CO, INC.	100-317-4220-6440	ASCA	Check	$74.19
						Vendor - ROCKINGHAM ELECTRIC SUPPLY CO, INC. Sub Total:		$124.37
46687	122321	2022-01-10		RUFFEN, DARRYL	442-510-35-6200	ASCA	Check	$66.00
46687	16139	2022-01-03		SALISBURY CAR WASH INC.	100-319-3300-6247	ASCA	Check	$56.00

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	21877	2021-12-23		SALTER TRANSPORTATION INC.	442-510-35-6200	ASCA	Check	$4,062.25
46687	13363T	2022-01-01	221023	SALTER TRANSPORTATION INC.	441-855-30-6330	ASCA	Check	$6,000.00
46687	13363	2022-01-01	221023	SALTER TRANSPORTATION INC.	100-311-3300-6330	ASCA	Check	$55,178.00
						Vendor - SALTER TRANSPORTATION INC. Sub Total:		**$65,240.25**
46687	400306401	2022-01-10	221867	SCHOOL HEALTH CORP.	100-313-3200-6500	ASCA	Check	$40.53
46687	400306400	2022-01-05	221867	SCHOOL HEALTH CORP.	100-313-3200-6500	ASCA	Check	$677.47
						Vendor - SCHOOL HEALTH CORP. Sub Total:		**$718.00**
46687	0865644	2021-11-18		SCHOOL NURSE SUPPLY	441-811-35-6200	ASCA	Check	$346.03
46687	0869360	2021-12-13		SCHOOL NURSE SUPPLY	100-321-3200-6500	ASCA	Check	$283.53
						Vendor - SCHOOL NURSE SUPPLY Sub Total:		**$629.56**
46687	208129192973	2021-12-15		SCHOOL SPECIALTY	100-312-2430-6430	ASCA	Check	$21.60
46687	208129108834	2021-11-30	221335	SCHOOL SPECIALTY	100-312-2430-6430	ASCA	Check	$18.22
46687	208128875373	2021-11-22	221335	SCHOOL SPECIALTY	100-312-2430-6430	ASCA	Check	$31.31
46687	208128956286	2021-11-02	221461	SCHOOL SPECIALTY	100-312-2430-6430	ASCA	Check	$104.10
46687	208129157446	2021-12-08		SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$4.28
46687	208129146931	2021-12-07		SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$6.75
46687	208129010380	2021-11-10		SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$12.00
46687	208129193057	2021-12-15	220667	SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$2.40
46687	208129025500	2021-11-12	220669	SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$93.79
46687	208129066451	2021-11-19		SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$7.41
46687	208129124476	2021-12-02		SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$28.94
46687	208129066491	2021-11-19	220703	SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$4.94
46687	208129159985	2021-12-08	220703	SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$51.36
46687	308103911995	2021-12-06	221485	SCHOOL SPECIALTY	100-313-2430-6430	ASCA	Check	$1,146.39
46687	208128944771	2021-10-29	220838	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$41.60
46687	208129124323	2021-12-02	220838	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$69.08
46687	208129065980	2021-11-19	220838	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$104.51
46687	208129035604	2021-11-15	220838	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$190.94
46687	208129124313	2021-12-02	221247	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$14.47
46687	208128885955	2021-11-22	221247	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$42.07
46687	308103899778	2021-11-02	221383	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$133.34
46687	308103899779	2021-11-07	221384	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$201.04
46687	208129147520	2021-12-07	221473	SCHOOL SPECIALTY	100-314-2430-6431	ASCA	Check	$151.79
46687	208129147514	2021-12-07	221595	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$89.39
46687	208129227024	2021-12-23	221607	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$255.46
46687	208129226999	2021-12-23	221691	SCHOOL SPECIALTY	100-314-2430-6431	ASCA	Check	$154.37
46687	308103919241	2021-12-31	221878	SCHOOL SPECIALTY	100-314-2430-6430	ASCA	Check	$147.17
46687	208128657498	2021-09-20	220322	SCHOOL SPECIALTY	100-315-2430-6430	ASCA	Check	$134.04
46687	308103907405	2021-11-23	221365	SCHOOL SPECIALTY	100-315-2710-6420	ASCA	Check	$1,042.27
						Vendor - SCHOOL SPECIALTY Sub Total:		**$4,305.03**
46687	31885	2021-10-31		SEACOAST LEARNING COLLABORATIVE, INC.	100-319-3300-6330	ASCA	Check	$1,235.00
46687	84455	2022-01-01	221099	SEEM COLLABORATIVE	100-319-9400-6320	ASCA	Check	$7,260.00

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	209592	2021-12-31	220801	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$5,444.42
46687	209591	2021-12-31	220802	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$5,444.42
46687	209590	2021-12-31	220803	ST. ANNS HOME, INC.	441-820-30-6320	ASCA	Check	$5,444.42
						Vendor - ST. ANNS HOME, INC. Sub Total:		**$16,333.26**
46687	S119613041001	2021-12-14		STANDARD ELECTRIC	100-317-4220-6440	ASCA	Check	$737.10
46687	MAW805	2021-12-21	221329	STAPLES TECHNOLOGY SOLUTIONS	458-910-30-6430	ASCA	Check	$73,292.00
46687	010122/969593017	2022-01-01		T-MOBILE	100-316-4450-6380	ASCA	Check	$13,252.40
46687	012022	2022-01-20		THORPE, TANYA	442-510-35-6200	ASCA	Check	$285.00
46687	K1	2021-12-21	221007	TIME FOR KIDS	100-313-2430-6430	ASCA	Check	$59.40
46687	2	2021-12-21	221007	TIME FOR KIDS	100-313-2430-6430	ASCA	Check	$59.40
46687	3-4	2021-12-21	221007	TIME FOR KIDS	100-313-2430-6430	ASCA	Check	$59.40
						Vendor - TIME FOR KIDS Sub Total:		**$178.20**
46687	0393089001019	2021-12-08	222132	USI, INC.	100-315-2430-6431	ASCA	Check	$298.72
46687	S55604	2021-11-22	221874	VANTASTIC, INC.	100-312-3520-6301	ASCA	Check	$629.04
46687	63291504	2022-01-10		VERIZON BUSINESS	100-317-4130-6340	ASCA	Check	$24.97
46687	Z7999862	2022-01-08		VERIZON BUSINESS	100-316-4400-6385	ASCA	Check	$4,430.95
						Vendor - VERIZON BUSINESS Sub Total:		**$4,455.92**
46687	226397553	2022-01-04		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$6.94
46687	226397687	2022-01-04		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$17.91
46687	225920912	2021-12-14		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$14.69
46687	226308275	2021-12-30		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$14.69
46687	226188908	2021-12-27		W.B. MASON COMPANY, INC.	100-310-1210-6420	ASCA	Check	$22.10
46687	223730987	2021-09-28	220701	W.B. MASON COMPANY, INC.	100-312-2430-6430	ASCA	Check	$75.25
46687	223485365	2021-09-20	220971	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$1,155.20
46687	226271704	2021-12-29	221606	W.B. MASON COMPANY, INC.	100-314-2430-6430	ASCA	Check	$1,155.20
46687	225883319	2021-12-13	220332	W.B. MASON COMPANY, INC.	100-315-2430-6430	ASCA	Check	$1,155.20
46687	225883970	2021-12-13	220332	W.B. MASON COMPANY, INC.	100-315-2430-6430	ASCA	Check	$1,155.20
46687	226467016	2022-01-06	222004	W.B. MASON COMPANY, INC.	100-319-2110-6420	ASCA	Check	$53.98
						Vendor - W.B. MASON COMPANY, INC. Sub Total:		**$4,826.36**
46687	2763867	2021-11-03	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$63.00
46687	2781941	2021-12-15	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$75.00
46687	2784956	2022-01-03	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$67.00
46687	2784955	2022-01-03	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$67.00
46687	2784954	2022-01-03	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$96.00
46687	2784953	2022-01-03	220285	WALTHAM SERVICES	100-317-4220-6240	ASCA	Check	$96.00
						Vendor - WALTHAM SERVICES Sub Total:		**$464.00**
46687	1901737	2022-01-05	221902	WILSON LANGUAGE TRAINING CO.	100-312-2450-6485	ASCA	Check	$57.80
46687	1901737	2022-01-05	221902	WILSON LANGUAGE TRAINING CO.	100-312-2450-6485	ASCA	Check	$67.05
46687	1891607	2021-11-03	220521	WILSON LANGUAGE TRAINING CO.	100-313-2430-6430	ASCA	Check	$104.60
46687	1894883	2021-11-18	221009	WILSON LANGUAGE TRAINING CO.	100-313-2430-6430	ASCA	Check	$45.40
46687	1894883	2021-11-18	221009	WILSON LANGUAGE TRAINING CO.	100-313-2430-6430	ASCA	Check	$57.80
						Vendor - WILSON LANGUAGE TRAINING CO. Sub Total:		**$332.65**

Packet #	Invoice #	Invoice Date	PO#	Vendor	Account Number	Department	Payment Type	Amount
46687	0507048	2021-12-31	221246	WORK OPPORTUNITIES UNLIMITED CONTRACTS, INC	100-319-2320-6305	ASCA	Check	$550.00
46687	010422	2022-01-11		WYNER, RON	442-510-35-6200	ASCA	Check	$66.00
46687	48511	2021-11-23	220965	X2 DEVELOPMENT CORPORATION	100-316-1450-6380	ASCA	Check	$1,200.00
46687	48447	2021-11-12	220965	X2 DEVELOPMENT CORPORATION	100-316-1450-6380	ASCA	Check	$2,600.00
							Vendor - X2 DEVELOPMENT CORPORATION Sub Total:	**$3,800.00**
							Total:	**$873,934.28**

Amesbury Public Schools

School Warrant

Printed On: 01/24/2022

Invoice Packet Summary By Account

Account Number	Account Description	Number of Items	Amount
100-310-1210-6420	SUPT - SUPPLIES & MATERIALS	7	$115.46
100-310-1430-6310	LEGAL SERVICES	1	$1,638.00
100-310-4230-6250	SUPT - EQUIPMENT MAINTENANCE	1	$25.00
100-311-3300-6330	TRANSPORTATION SERVICES	2	$55,178.00
100-311-3300-6331	MCKINNEY-VENTO TRANSPORTATION	2	$1,996.76
100-312-2420-6250	AE CONTRACTED EQUIPMT MAINT	2	$4,491.74
100-312-2430-6430	AE TEACHER SUPPLIES	5	$250.48
100-312-2450-6485	AE INSTRUCTIONAL TECH SOFTWARE	2	$124.85
100-312-3200-6500	AE HEALTH SUPPLIES	2	$372.44
100-312-3520-6301	AE EXTRACURRICULAR SERVICES	1	$629.04
100-313-2420-6250	CE CONTRACTED EQUIPMT MAINT	3	$5,493.58
100-313-2430-6430	CE TEACHER SUPPLIES	22	$1,744.26
100-313-3200-6500	CE HEALTH SUPPLIES	2	$718.00
100-314-2415-6520	MS LIBRARY SUPPLIES	1	$604.97
100-314-2420-6250	AMS CONTRACTED EQUIPMT MAINT	1	$405.40
100-314-2420-6255	AMS OTHER EQUIPMENT MAINT	1	$179.70
100-314-2430-6430	MS TEACHER SUPPLIES	18	$3,814.42
100-314-2430-6431	MS SPED SUPPLIES	2	$306.16
100-314-2450-6485	AMS INSTRUCTIONAL TECH SOFTWARE	2	$5,610.00
100-314-4110-6450	MS CUSTODIAN SUPPLIES	1	$2,200.00
100-315-2210-6420	HS PRINCIPAL SUPPLIES	1	$37.13
100-315-2210-6430	HS PRINCIPAL OTHER	1	$85.00
100-315-2357-6300	HS TEACHER OTHER PROF	1	$57.33
100-315-2410-6430	HS SUPPLIES & MATERIALS	3	$1,919.30
100-315-2415-6485	HS LIBRARY SOFTWARE	1	$1,194.39

Account Number	Account Description	Number of Items	Amount
100-315-2415-6520	HS LIBRARY SUPPLIES	3	$123.90
100-315-2420-6250	AHS CONTRACTED EQUIPMT MAINT	1	$429.25
100-315-2430-6430	HS TEACHER SUPPLIES	17	$3,435.35
100-315-2430-6431	HS SPED SUPPLIES	1	$298.72
100-315-2450-6485	AHS INSTRUCTIONAL TECH SOFTWARE	1	$4,380.00
100-315-2710-6420	HS GUIDANCE SUPPLIES	1	$1,042.27
100-315-3510-6430	ATHLETICS SUPPLIES	1	$3,176.00
100-315-4110-6450	HS CUSTODIAN SUPPLIES	2	$2,722.00
100-316-1450-6380	DISTRICT MIS EXPENSES	2	$3,800.00
100-316-1450-6710	MIS TRAVEL & CONFERENCES	2	$60.00
100-316-4400-6385	IT NETWORK & TELECOMM	1	$4,430.95
100-316-4450-6380	IT TECHNOLOGY MAINTENANCE	1	$13,252.40
100-317-4120-6210	HEATING OF BUILDINGS	9	$23,827.66
100-317-4130-6340	TELEPHONE	2	$69.97
100-317-4210-6460	GROUNDS MAINT SUPPLIES	3	$1,609.65
100-317-4220-6240	BLDG MAINT CONTRACTED	10	$54,290.88
100-317-4220-6440	BLDG MAINT SUPPLIES	29	$8,736.08
100-317-4230-6247	TRUCK MAINTENANCE	7	$201.96
100-318-2110-6430	CURRICULUM SUPPLIES & MATERIALS	3	$10,495.10
100-319-2110-6420	SPED OFFICE SUPPLIES	1	$53.98
100-319-2320-6301	HOME/HOSPITAL TUTORING CONT. SERV	2	$728.00
100-319-2320-6305	SPED CONTRACTUAL SERVICES	6	$1,601.15
100-319-3300-6247	VEHICLE MAINTENANCE/REPAIRS	1	$56.00
100-319-3300-6270	VAN LEASE/RENTAL	1	$12,098.23
100-319-3300-6300	CONTRACTED SERVICES	1	$25.20
100-319-3300-6330	SPED TRANSPORTATION SERVICES	5	$16,126.73
100-319-9100-6320	SPED TUITION IN-STATE SCHOOLS	2	$11,156.94
100-319-9200-6320	SPED TUITION OUT OF STATE SCHLS	3	$14,360.00

Account Number	Account Description	Number of Items	Amount
100-319-9300-6320	SPED TUITION NONPUBLIC SCHOOLS	1	$5,500.00
100-319-9301-6320	TUITION RESIDENTIAL	4	$67,749.67
100-319-9400-6320	SPED TUITION COLLABORATIVES	11	$76,240.00
100-321-2430-6430	APS - INNOVATION HIGH SCHOOL TEACHER SUPPLIES	2	$179.64
100-321-3200-6500	APS - INNOVATION HIGH SCHOOL NURSE'S SUPPLIES	1	$283.53
100-321-4110-6240	APS - INNOVATION HIGH SCHOOL CUSTODIAN CONTR SERV	1	$114.39
100-321-4110-6450	APS - INNOVATION HIGH SCHOOL CUSTODIAN SUPPLIES	1	$55.86
100-321-5350-6780	APS - INNOVATION HIGH SCHOOL RENTAL-LEASE OF BLDGS	1	$8,250.00
120 0300 5861 07	School Dept Field Equipment	1	$2,725.00
216 4761 5710 22	DRUG FREE COMMUNITIES FY '22 Travel	1	$177.75
216 4761 5780 22	DRUG FREE COMMUNITIES FY '22 Other Expenses	1	$2,640.00
414-115-21-6780	OTHER - ESSERII	3	$119,960.24
414-252-22-6420	SUPPLIES - ARPA IDEA 2022	2	$589.95
414-264-22-6300	CONTRACTED SERVICES - IDEA ARP 2022	3	$1,398.55
414-264-22-6420	SUPPLIES - IDEA ARP 2022	1	$392.52
441-800-30-6200	EXPENSES - SCHOOL CHOICE	2	$72.23
441-811-35-6200	PURCHASE OF SERV - INNOVATION HS TUITION REVOLVING	6	$14,552.04
441-820-30-6320	TUITON - CIRCUIT BREAKER	23	$126,471.65
441-855-30-6330	SERVICES - TRANSP REVOLVING	2	$6,000.00
442-510-35-6200	EXPENSES - ATHLETICS REVOLVING	22	$15,416.25
454-400-30-6200	EXPENSES - SCHOOL LUNCH	1	$61,193.23
458-910-30-6430	EXP - DIST GIFTS & DONATIONS	2	$75,292.00
458-910-32-6430	EXP - AE GIFTS & DONATIONS	1	$5,000.00
458-910-34-6430	EXP - MS GIFTS & DONATIONS	2	$1,900.00
		Total:	**$873,934.28**

Amesbury Public Schools

School Warrant

Printed On: 01/24/2022

Invoice Packet Summary By Fund

Fund Number	Fund Description	Amount
100	General Fund	$440,152.87
120	General Fund - Special Purpose (Budgeted)	$2,725.00
216	Federal Culture & Rec	$2,817.75
414	Federal Education	$122,341.26
441	Revolving Education	$147,095.92
442	Revolving Athletics	$15,416.25
454	Other Special Revenue Sch Lunch	$61,193.23
458	Other Special Revenue Gifts Ed	$82,192.00
	Total:	**$873,934.28**

Amesbury Public Schools

School Warrant

Printed On: 01/24/2022

Pay to each of the persons named in the above warrant, dated: 01/24/2022, the accompanying sums set against their respective names, amounting in the aggregate to $873,934.28 and charge the same to the accounts indicated.

AUTHORIZED SIGNATURES:

_____ _____

_____ _____

_____ _____

_____

School Committee

Payroll Warrant Detail
City Of Amesbury

Warrant #: SCH PR 1/28/22
Effective Date: 01/28/2022, Fiscal Year: 2022

To the Treasurer:

Pay to each of the persons named in the above warrant, dated: 01/28/2022, the accompanying sums set against their respective names, amounting in the aggregate to $602,392.79 and charge the same to the appropriations or accounts indicated.

AUTHORIZED SIGNATURES:

_____

Mayor

_____

C.F.O.

Payroll Warrant Detail
City Of Amesbury

Warrant #: SCH PR 1/28/22
Effective Date: 01/28/2022, Fiscal Year: 2022

Account #	Account Description	Line Description	Amount
100 0000 2120 00	FEDERAL TAX WITHHOLDING	01-28-2022 School Payroll	-$70,084.61
100 0000 2121 00	MEDICARE WITHHOLDING	01-28-2022 School Payroll	-$12,403.81
100 0000 2122 00	OBRA	01-28-2022 School Payroll	-$2,104.14
100 0000 2130 00	STATE WITHHOLDING	01-28-2022 School Payroll	-$39,280.13
100 0000 2141 00	RETIREMENT-SCHOOL	01-28-2022 School Payroll	-$92,750.38
100 0000 2147 00	VISION INS W/H	01-28-2022 School Payroll	-$418.10
100 0000 2148 00	HEALTH INS W/H	01-28-2022 School Payroll	-$59,548.85
100 0000 2157 00	SCHOOL ADMIN - LONG TERM DISAB	01-28-2022 School Payroll	-$471.84
100 0000 2162 00	ACCIDENT INS - TOWN	01-28-2022 School Payroll	-$11.22
100 0000 2164 00	LIFE INSURANCE	01-28-2022 School Payroll	-$149.26
100 0000 2165 00	Extra Insurance	01-28-2022 School Payroll	-$180.55
100 0000 2168 00	DELTA DENTAL	01-28-2022 School Payroll	-$5,120.24
100 0000 2169 00	OPTIONAL LIFE INS. TOWN	01-28-2022 School Payroll	-$1,011.78
100 0000 2169 00	OPTIONAL LIFE INS. TOWN	01-28-2022 School Payroll	-$1,035.77
		Account # - 100 0000 2169 00 Sub Total:	**-$2,047.55**
100 0000 2171 00	TERM INSURANCE TOWN	01-28-2022 School Payroll	-$711.29
100 0000 2173 00	DISABILITY INSURANCE-TOWN	01-28-2022 School Payroll	-$213.80
100 0000 2175 00	CRITICAL ILLNESS PLAN-TOWN	01-28-2022 School Payroll	-$211.75
100 0000 2178 00	DISABILITY -AFLAC - SCHOOL	01-28-2022 School Payroll	-$49.56
100 0000 2190 00	UNION DUES PAYABLE DPW	01-28-2022 School Payroll	-$32.90
100 0000 2194 00	UNION DUES PAYABLE TEACHERS	01-28-2022 School Payroll	-$7,711.92
100 0000 2260 00	UNITED FUND	01-28-2022 School Payroll	-$13.00
100 0000 2280 00	DEFERRED COMPENSATION-TSA	01-28-2022 School Payroll	-$29,277.48
100 0000 2280 00	DEFERRED COMPENSATION-TSA	01-28-2022 School Payroll	-$2.76
		Account # - 100 0000 2280 00 Sub Total:	**-$29,280.24**
100 0000 2290 00	GARNISHMENT	01-28-2022 School Payroll	$0.00
100 0000 2291 00	FSADC - FLEX SPEND DEPEND-SCH	01-28-2022 School Payroll	-$1,213.54
100 0000 2292 00	FSAHS - FLEX SPEND HEALTH-SCH	01-28-2022 School Payroll	-$6,219.86
100 0134 5110 00	Administration & Finance Salaries & Wages	01-28-2022 School Payroll	$941.61
100 0155 5110 00	MIS Salaries & Wages	01-28-2022 School Payroll	$1,486.26
100-310-1110-6150	SCHOOL COMMITTEE SECRETARY	01-28-2022 School Payroll	$192.31
100-310-1210-6101	SUPERINTENDENT	01-28-2022 School Payroll	$6,807.69
100-310-1210-6150	SUPT - SECRETARIES	01-28-2022 School Payroll	$2,163.23
100-310-1410-6106	DIRECTOR OF FINANCE & OPERATIONS	01-28-2022 School Payroll	$5,081.51
100-310-1410-6150	BUSINESS OFFICE STAFF	01-28-2022 School Payroll	$4,540.78
100-310-3200-6165	HEALTH - STIPENDS	01-28-2022 School Payroll	$384.62
100-310-5550-6159	CROSSING GUARDS	01-28-2022 School Payroll	$1,960.87
100-312-2210-6107	AE PRINCIPAL	01-28-2022 School Payroll	$4,826.92

Account #	Account Description	Line Description	Amount
100-312-2210-6150	AE SECRETARY	01-28-2022 School Payroll	$1,743.18
100-312-2210-6151	AE CLERICAL SUPPORT	01-28-2022 School Payroll	$1,338.54
100-312-2305-6110	AE TEACHER SALARIES	01-28-2022 School Payroll	$64,990.46
100-312-2305-6111	AE SPED TEACHER SALARIES	01-28-2022 School Payroll	$24,760.24
100-312-2320-6111	AE SPED MED/THERAPEUTIC PROF SALARIES	01-28-2022 School Payroll	$9,778.26
100-312-2320-6131	AE SPED MED/THERAPEUTIC ASST SALARIES	01-28-2022 School Payroll	$1,043.25
100-312-2325-6155	AE SUBSTITUTE TEACHERS	01-28-2022 School Payroll	$4,767.50
100-312-2325-6156	AE SPED SUBSTITUTES	01-28-2022 School Payroll	$875.00
100-312-2330-6130	AE TEACHER ASSISTANTS	01-28-2022 School Payroll	$3,103.87
100-312-2330-6131	AE SPED TCHR ASSISTANTS	01-28-2022 School Payroll	$21,455.10
100-312-2330-6156	AE SPED ASST SUBSTITUTES	01-28-2022 School Payroll	$2,187.50
100-312-2340-6120	AE LIBRARY SALARY	01-28-2022 School Payroll	$1,135.29
100-312-2351-6110	AE INSTRUCTIONAL COACHES	01-28-2022 School Payroll	$385.24
100-312-2710-6125	AE GUIDANCE SALARY	01-28-2022 School Payroll	$3,491.33
100-312-2800-6128	AE PSYCHOLOGIST SALARY	01-28-2022 School Payroll	$1,769.71
100-312-3200-6135	AE HEALTH SALARY	01-28-2022 School Payroll	$2,540.46
100-312-4110-6145	AE CUSTODIAN SALARIES	01-28-2022 School Payroll	$4,331.34
100-313-2210-6107	CE PRINCIPAL	01-28-2022 School Payroll	$4,465.96
100-313-2210-6150	CE SECRETARY	01-28-2022 School Payroll	$2,151.39
100-313-2210-6151	CE CLERICAL SUPPORT	01-28-2022 School Payroll	$1,299.98
100-313-2305-6110	CE TEACHER SALARIES	01-28-2022 School Payroll	$78,606.48
100-313-2305-6111	CE SPED TEACHER SALARIES	01-28-2022 School Payroll	$27,050.81
100-313-2310-6110	CASHMAN SPECIALIST TEACHER SALARY	01-28-2022 School Payroll	$3,827.49
100-313-2320-6111	CE SPED MED/THERAPEUTIC PROF SALARIES	01-28-2022 School Payroll	$7,565.14
100-313-2320-6131	CE SPED MED/THERAPEUTIC ASST SALARIES	01-28-2022 School Payroll	$2,632.33
100-313-2325-6155	CE SUBSTITUTE TEACHERS	01-28-2022 School Payroll	$3,218.75
100-313-2330-6130	CE TEACHER ASSISTANTS	01-28-2022 School Payroll	$5,101.27
100-313-2330-6156	CE SPED SUBSTITUTES	01-28-2022 School Payroll	$62.50
100-313-2340-6120	CE LIBRARY SALARY	01-28-2022 School Payroll	$2,582.24
100-313-2351-6110	CE INSTRUCTIONAL COACHES	01-28-2022 School Payroll	$385.24
100-313-2710-6125	CE GUIDANCE SALARY	01-28-2022 School Payroll	$3,459.87
100-313-2800-6128	CE PSYCHOLOGIST SALARY	01-28-2022 School Payroll	$1,769.71
100-313-3200-6135	CE HEALTH SALARY	01-28-2022 School Payroll	$3,292.51
100-313-4110-6145	CE CUSTODIAN SALARIES	01-28-2022 School Payroll	$4,350.57
100-313-4110-6147	CE CUSTODIAN OVERTIME	01-28-2022 School Payroll	$1,128.12
100-314-2210-6107	MS PRINCIPAL	01-28-2022 School Payroll	$12,196.15
100-314-2210-6150	MS SECRETARIES	01-28-2022 School Payroll	$5,956.87
100-314-2305-6110	MS TEACHER SALARIES	01-28-2022 School Payroll	$136,983.77
100-314-2305-6111	MS SPED TEACHER SALARIES	01-28-2022 School Payroll	$43,925.12
100-314-2310-6110	AMS SPECIALIST TEACHER SALARY	01-28-2022 School Payroll	$1,478.83
100-314-2320-6111	AMS SPED MED/THERAPEUTIC PROF SALARIES	01-28-2022 School Payroll	$2,787.97
100-314-2324-6155	MS LONG TERM SUBSTITUTES	01-28-2022 School Payroll	$2,543.58
100-314-2325-6155	MS SUBSTITUTE TEACHERS	01-28-2022 School Payroll	$3,801.25

Account #	Account Description	Line Description	Amount
100-314-2330-6131	MS SPED TCHR ASSISTANTS	01-28-2022 School Payroll	$21,557.83
100-314-2330-6156	MS SPED ASST SUBSTITUTES	01-28-2022 School Payroll	$1,887.12
100-314-2340-6120	MS LIBRARY SALARY	01-28-2022 School Payroll	$4,086.25
100-314-2351-6110	AMS INSTRUCTIONAL COACHES	01-28-2022 School Payroll	$1,838.81
100-314-2710-6125	MS GUIDANCE SALARIES	01-28-2022 School Payroll	$9,287.49
100-314-2800-6128	MS PSYCHOLOGIST SALARY	01-28-2022 School Payroll	$1,479.14
100-314-3200-6135	MS HEALTH SALARY	01-28-2022 School Payroll	$2,458.39
100-314-3400-6138	MS CAFETERIA MONITORS	01-28-2022 School Payroll	$1,052.87
100-314-3520-6142	MS EXTRACURRICULAR STIPENDS	01-28-2022 School Payroll	$233.64
100-314-3600-6138	MS DETENTION MONITORS	01-28-2022 School Payroll	$367.50
100-314-4110-6145	MS CUSTODIAN SALARIES	01-28-2022 School Payroll	$4,340.96
100-314-4110-6147	MS CUSTODIAN OVERTIME	01-28-2022 School Payroll	$589.50
100-315-2210-6107	HS PRINCIPAL	01-28-2022 School Payroll	$12,861.00
100-315-2210-6150	HS SECRETARIES	01-28-2022 School Payroll	$3,941.95
100-315-2210-6151	HS CLERICAL SUPPORT	01-28-2022 School Payroll	$2,322.53
100-315-2305-6110	HS TEACHER SALARIES	01-28-2022 School Payroll	$89,080.38
100-315-2305-6111	HS SPED TEACHER SALARIES	01-28-2022 School Payroll	$26,442.88
100-315-2310-6110	AHS SPECIALIST TEACHER SALARY	01-28-2022 School Payroll	$1,478.83
100-315-2325-6155	HS SUBSTITUTE TEACHERS	01-28-2022 School Payroll	$2,250.00
100-315-2325-6156	HS SPED SUBSTITUTES	01-28-2022 School Payroll	$1,250.00
100-315-2330-6131	HS SPED TCHR ASSISTANTS	01-28-2022 School Payroll	$11,068.62
100-315-2340-6120	HS LIBRARY SALARY	01-28-2022 School Payroll	$3,273.53
100-315-2340-6122	HS AUDIO VISUAL STIPENDS	01-28-2022 School Payroll	$1,444.38
100-315-2340-6130	HS LIBRARY ASSISTANTS SALARIES	01-28-2022 School Payroll	$1,344.39
100-315-2710-6125	HS GUIDANCE SALARIES	01-28-2022 School Payroll	$12,867.35
100-315-2710-6150	HS GUIDANCE SECRETARY	01-28-2022 School Payroll	$1,370.73
100-315-2800-6128	HS PSYCHOLOGIST SALARY	01-28-2022 School Payroll	$1,479.18
100-315-3200-6135	HS HEALTH SALARY	01-28-2022 School Payroll	$2,659.58
100-315-3400-6138	HS CAFETERIA MONITORS	01-28-2022 School Payroll	$1,028.19
100-315-3600-6138	HS DETENTION MONITORS	01-28-2022 School Payroll	$385.00
100-315-4110-6145	HS CUSTODIAN SALARIES	01-28-2022 School Payroll	$4,273.65
100-316-2250-6144	IT TECHNICIANS	01-28-2022 School Payroll	$2,520.55
100-317-4220-6146	MAINTENANCE SALARIES	01-28-2022 School Payroll	$7,550.34
100-317-4220-6148	MAINTENANCE OVERTIME	01-28-2022 School Payroll	$1,787.52
100-318-2110-6150	CURRICULUM SECRETARY	01-28-2022 School Payroll	$2,399.70
100-319-2110-6106	SPED DIRECTOR OF SERVICES	01-28-2022 School Payroll	$4,923.08
100-319-2110-6150	SPED SECRETARY	01-28-2022 School Payroll	$4,012.67
100-319-2120-6105	OUR OF DISTRICT COORDINATOR	01-28-2022 School Payroll	$3,129.07
100-319-2320-6111	BCBA SALARY	01-28-2022 School Payroll	$5,372.69
100-319-2320-6131	DIRECT HOME SERVICES SALARY	01-28-2022 School Payroll	$600.00
100-319-3300-6157	SPED TRANSP COORDINATOR	01-28-2022 School Payroll	$1,783.32
100-319-3300-6158	SPED VAN DRIVERS	01-28-2022 School Payroll	$8,193.08
100-320-5200-6175	MEDICARE TAX - EMPLOYERS SHARE	01-28-2022 School Payroll	-$12,403.61

Account #	Account Description	Line Description	Amount
100-320-5200-6175	MEDICARE TAX - EMPLOYERS SHARE	01-28-2022 School Payroll	$12,403.61
		Account # - 100-320-5200-6175 Sub Total:	**$0.00**
100-321-2210-6107	APS - INNOVATION HIGH SCHOOL PRINCIPAL	01-28-2022 School Payroll	$3,867.96
100-321-2210-6150	APS - INNOVATION HIGH SCHOOL SECRETARY	01-28-2022 School Payroll	$1,306.50
100-321-2305-6110	APS - INNOVATION HIGH SCHOOL TEACHER SALARIES	01-28-2022 School Payroll	$9,880.44
100-321-2305-6111	APS - INNOVATION HIGH SCHOOL SPED TEACHER SALARIES	01-28-2022 School Payroll	$5,471.35
100-321-2325-6155	APS - INNOVATION HIGH SCHOOL SUBSTITUTE TEACHERS	01-28-2022 School Payroll	$205.00
100-321-2710-6125	APS - INNOVATION HIGH SCHOOL GUIDANCE SALARY	01-28-2022 School Payroll	$3,596.64
100-321-3200-6135	APS - INNOVATION HIGH SCHOOL NURSE SALARY	01-28-2022 School Payroll	$2,650.83
414-115-21-6110	TEACHERS - ESSER II 2021	01-28-2022 School Payroll	$9,780.52
414-115-21-6165	STIPENDS - ESSER II 2021	01-28-2022 School Payroll	$725.25
414-140-22-6110	TEACHERS SALARIES - TITLE IIA 2022	01-28-2022 School Payroll	$2,247.44
414-240-22-6130	SUPPORT STAFF - SPED IDEA 2022	01-28-2022 School Payroll	$21,824.48
414-252-22-6110	TEACHERS SALARIES - ARPA IDEA 2022	01-28-2022 School Payroll	$3,661.86
414-262-22-6130	SUPPORT STAFF - EARLY CHILD 2022	01-28-2022 School Payroll	$879.84
414-305-22-6106	DIRECTOR - TITLE I 2022	01-28-2022 School Payroll	$5,178.03
414-305-22-6110	TEACHERS - TITLE I 2022	01-28-2022 School Payroll	$6,486.61
414-305-22-6130	SUPPORT STAFF - TITLE I 2022	01-28-2022 School Payroll	$1,908.43
414-309-22-6165	STIPEND - TITLE IV 2022	01-28-2022 School Payroll	$245.00
441-800-30-6110	TEACHERS - SCHOOL CHOICE	01-28-2022 School Payroll	$21,573.87
441-810-35-6110	TEACHERS - SOUTH HAMPTON TUITION	01-28-2022 School Payroll	$12,139.83
441-811-35-6110	TEACHERS - INNOVATION HS TUITION REVOLVING	01-28-2022 School Payroll	$1,013.32
441-815-30-6110	TEACHERS - PREK TUITION	01-28-2022 School Payroll	$2,957.65
441-850-30-6100	EXPENSES - DIST BUILDING USE PERSONAL SERVICES	01-28-2022 School Payroll	$596.43
640 0000 5110 00	Cable Public Access Salaries & Wages	01-28-2022 School Payroll	$1,444.39
		Total:	**$602,392.79**

City Of Amesbury

Warrant #: SCH PR 1/28/22

Effective Date: 01/28/2022

Warrant Summary By Fund

Fund Number	Fund Description	Amount
100	General Fund	$509,729.84
414	Federal Education	$52,937.46
441	Revolving Education	$38,281.10
640	Cable Public Access	$1,444.39
	Total:	**$602,392.79**